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2. TYPE OF WORK DRILL NEW WELL REENTER P&A WELL DEEPEN WELL 3.					3. FIELD OR WILDCAT WILDCAT								
4. TYPE OF WELL 5					5. UNIT or C	COMMUNITIZ	ZATION AGRE	EMENT NA	AME				
6. NAME OF	OPERATOR	Oil We		lbed Methane					7. OPERATO		740.054.4000		
8. ADDRES	S OF OPERATOR	1001.0.11		&P COMPAN					9. OPERATO	OR E-MAIL	713 351-1968		
	L LEASE NUMBER	R	fornia St. Ste	_	er, CO, 80202 RAL OWNERS	HIP	_		12. SURFAC	Jayne.g	ates@fidelityep	oco.com	
		L-49667		FEDER	AL IND	IAN STATE (FEI	E 🔘	FEDERAL			TE (II)	FEE
		NER (if box 12 = 'fe									PHONE (if box		
15. ADDRE	SS OF SURFACE	OWNER (if box 12 =	'fee')							CE OWNER I	E-MAIL (if box	12 = 'fee'	1
17. INDIAN (if box 12 =	ALLOTTEE OR TI = 'INDIAN')	RIBE NAME			E FORMATION	INGLE PRODUCTIONS Commingling Applica			19. SLANT	DIRE	CTIONAL (HORIZO	NTAL 📵
20 LOCAT	TION OF WELL			FOOTAGES		QTR-QTR		CTION	TOWN		RANGE		MERIDIAN
	I AT SURFACE			FSL 2312 F	EL	SWSE		32	25.0		20.0 E		S
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21. COUNT		GRAND		22. DIST/	ANCE TO NEA	REST LEASE LINE (Feet)		23. NUMBER	R OF ACRES	S IN DRILLING	UNIT	
		SKAND				REST WELL IN SAM or Completed)	E POOL		26. PROPOS	SED DEPTH MD: 1		7744	
27. ELEVAT	ΓΙΟΝ - GROUND L	EVEL		28. BONE	NUMBER	0					NG WATER /		
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				H	ole, Casing,	, and Cement Inf	ormatio	n					
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String Cond	26	20		igth		Grade & Thr	ead	Max Mu					
		-		/			ead			Type III	400	2.47	12.3
Cond	26 17.5	20 13.375	0 -	1000	Weight 54.5	Grade & Thr K-55 Buttr	ess	Max Mu 0	.0	Type III	400	2.47	12.3
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Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 32-1-25-20 SEC 32 / T25S / R20E, SWSE, 452' FSL & 2312' FEL GRAND COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Sub-Sea (ft)	Lithology	Objective
Windgate Sand	Surface		Sandstone	
Chinle	219	+5,035	Sand/Shale	
Moenkopi	582	+4,672	Sand/Shale	
Cutler	969	+4,285	Sandstone	
Hermosa Group	1,873	+3,381	Sand/Evaporite	
Paradox	3,764	+1,490	Salt/Clastics	Secondary
Top Cane Creek	7,339	-2,085	Silt/Shale	Primary
T.D.	7,539	-2,285		
T.D. (LATERAL MD)	±11,408			

Estimated TD: 11,408' MD / 7,744' TVD

Anticipated BHP: ±6,040 Psig

- 1. Lost circulation in all intervals.
- 2. Cement isolation is installed to surface of the well isolating all zones by cement and casing.

3. PRESSURE CONTROL EQUIPMENT:

Intermediate & Production Hole – 10,000 Psig BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Collapse	Burst	<u>Tensile</u>
							(psi) a	(psi) b	(1K lbs) c
Conductor	26"	0 - ±90'	20"						
Surface	17 ½"	0'-1,000'	13 3/8"	54.5#	J-55	втс	1130/2.1	2730/3.0	909/2.5
Intermediate	12 1/4"	0 – 4,369'	9-5/8"	40.0#	L-80	ВТС	3,090/1.5	5,750/1.2	947/2.1
Production	8-1/2"	0 – 4,000'	7"	29#	P-110	ВТС	8,530/1.3	11,220/2.0	955/2.1
Production	8-1/2"	4,000 – 7,780'	7"	32#	HCP-110	BTC	11,890/1.9	12,460/2.0	955/2.1
Production	8-1/2"	7,780 – 11,408'	7"	29#	P-110	BTC	8,530/1.3	11,220/2.0	955/2.1

Surface based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull. Intermediate based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull. Production based on full evacuation: a=16.5 ppg fluid on backside, b=16.5 ppg inside, & c=16.5 ppf fluid + 100K overpull

All casing will be new or inspected.

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 32-1-25-20 SEC 32 / T25S / R20E, SWSE, 452' FSL & 2312' FEL GRAND COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 1000'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of its. #2 and #3 then every 5th joint to surface. (8 total)

Intermediate Hole Procedure (0'- 4,369±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of joints. #2 and #3 then every 3rd joint to surface. (35 total)

Production Hole Procedure (0' - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. Thread lock float shoe, top and bottom of float collar, and top of 2^{nd} joint. 1 per joint in the lateral (length TBD) and 2 per joint in the curve from 90° to 45°, 1 per joint to $\pm 6,550$ °. (Approximately 150)

6. MUD PROGRAM

Interval	Mud Type	Mud Wt.	PV / YP	OWR
0' - 1,000'	Air Mist			
1,000' - 4,369'	Air Mist/Aerated Water			
4,369'- 11,408'	Oil Based Mud	13.5-16.5 ppg	22-32 / 12-22	+/-90:10

<u>Intermediate & Production Hole Procedure (4,369' - TD):</u> Anticipated mud weight 13.5 – 16.5 ppg depending on actual wellbore conditions encountered while drilling.

An oil based mud (OBM) system will be used to prevent fluid interaction with the salts and shales. LCM sweeps, pills, etc., will be used to prevent fluid loss. Adequate amounts of weighting material will be on hand as needed for well control.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- Fidelity E&P. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- Fidelity E&P requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.

Fidelity Exploration & Production Company Eight Point Plan

<u>CANE CREEK 32-1-25-20</u> <u>SEC 32 / T25S / R20E, SWSE, 452' FSL & 2312' FEL</u> GRAND COUNTY, UTAH

- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- Fidelity E&P requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Mud Logs: Mud log from 1,000' to TD.

Open-hole Logs: Triple-Combo, ECS, OBM FMI

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface – 1,000'±):

Lead: 400 sks Type III Halliburton cement + 2% Sodium Silicate + 2% Gypsum. Yield = 2.47

 $ft^3/sk @ 12.30 ppg$

Tail: 200 sks Type III Halliburton cement + 2% Sodium Silicate + 2% Gypsum. Yield = 2.14

ft³/sk @ 14.20 ppg.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk LCM mixed at 15.6 ppg, 1.18

ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface.

Intermediate Hole Procedure (Surface – 4,369'±):

Lead: 1030 sks 66 pps Class G + 14 pps Pozz + 0.2% Sodium Silicate + 2 pps Gypsum. Yield =

 $1.25 \text{ ft}^3/\text{sk} @ 14.40 \text{ ppg}$

Tail: 460 sks 66 pps Class G + 14 pps Pozz + 0.2% Sodium Silicate + 2 pps Gypsum + Nitrogen.

Yield = $1.25 \text{ ft}^3/\text{sk}$ @ 14.4 ppg

Top Out: As necessary with Class "G" cement with 2% CaCI₂, ¼#/sk LCM mixed at 15.6 ppg, 1.18

ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface. 30% excess is included.

Actual excess will be calculated and applied to completely cement the well when casing is

ran.

Production Hole Procedure (4,069 – TD):

Lead: 300 sks Weighted Class G + 10% Silica Flour + 25% 100 Mesh sand. Yield = 1.44 ft³/sk @

16.80 ppg.

Tail: 300 sks Class G cement + 75 pps Hematite. Yield = $1.73 \text{ ft}^3/\text{sk}$ @ 18.00 ppg.

Note: The above number of sacks is based on gauge-hole calculation, 0% excess.

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 32-1-25-20 SEC 32 / T25S / R20E, SWSE, 452' FSL & 2312' FEL GRAND COUNTY, UTAH

Final Cement volumes will be based upon gauge-hole plus 30% excess and the actual depth drilled to.



Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 32-1-25-20 SEC 32 / T25S / R20E, SWSE, 452' FSL & 2312' FEL **GRAND COUNTY, UTAH**

10. ABNORMAL CONDITIONS:

Surface Hole (Surface – 1,000'±):

Lost circulation.

Intermediate & Production Hole (1,000'± - TD):

Lost circulation zones and over pressure in the production zone.

11. STANDARD REQUIRED EQUIPMENT:

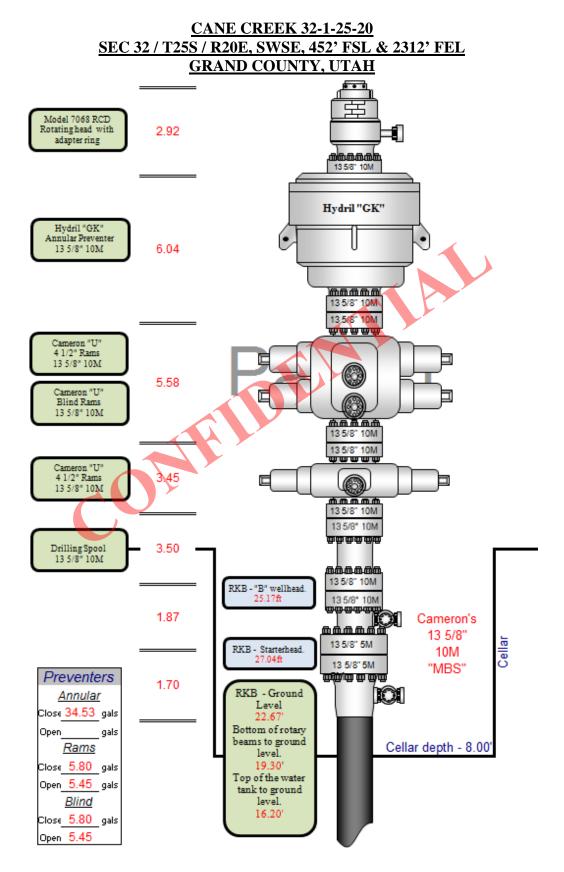
- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

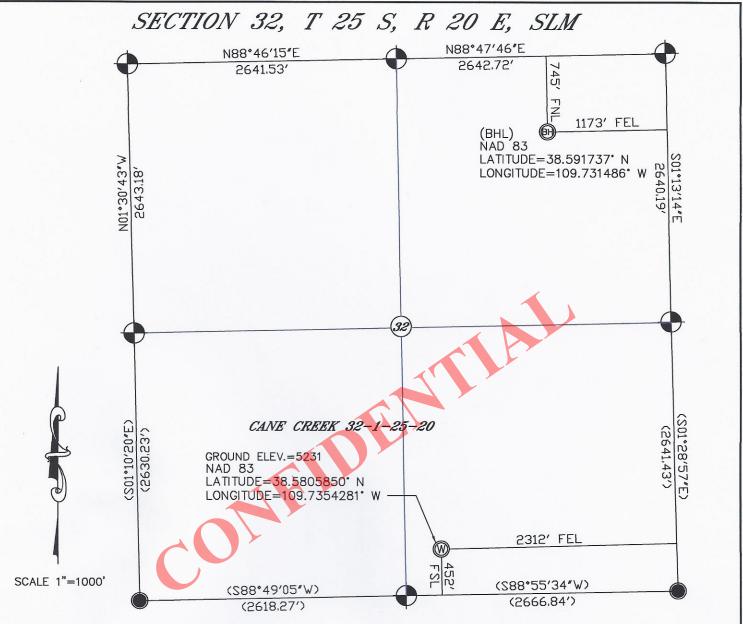
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

Fidelity Exploration & Production Company Eight Point Plan





LEGEND

NOTES: DATA IN PARENTHESIS IS OF RECORD. ALL OTHER DATA IS SURVEYED DATA.

ELEVATIONS ARE BASED ON A G.P.S. 2 HOUR OPUS OBSERVATION.



- SET T-POST WITH LATH AT PROPOSED WELL LOCATION
- UTAH GIS LOCATION FOR UN-SURVEYED SECTIONS
- BOTTOM HOLE LOCATION



KEOGH LAND SURVEYING

45 EAST CENTER STREET

MOAB, UTAH, 84532

A SURVEY OF

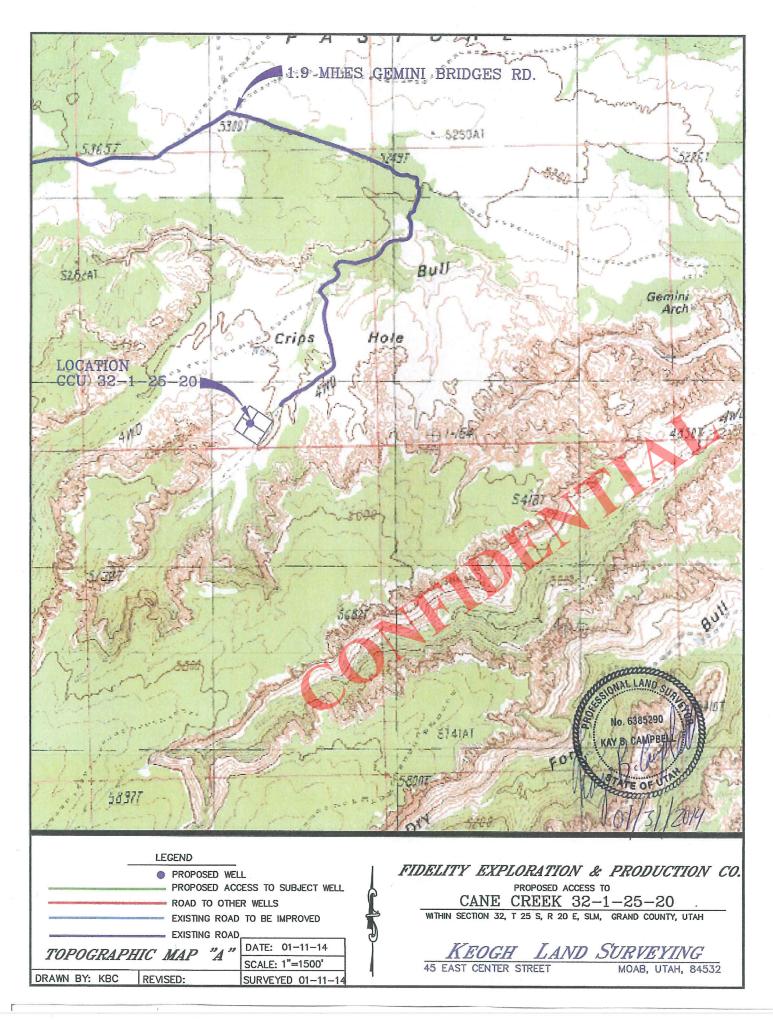
CANE CREEK 32-1-25-20

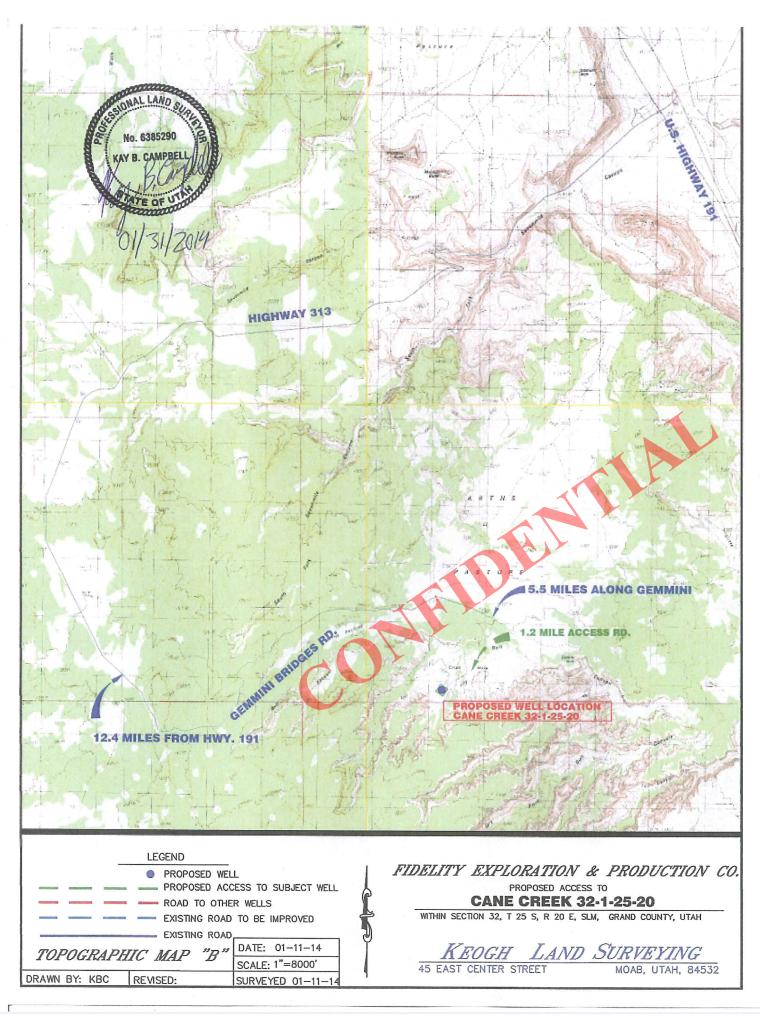
WITHIN SECTION 32, T 25 S, R 20 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

FIDELITY EXPLORATION & PRODUCTION CO.

DATE: 02-06-14	DRAWN BY: KBC	CHECKED BY: KBC
SCALE: 1"=1000'	F.B.#	32-1 PLAT.DWG





FIDELITY EXPLORATION & PRODUCTION CO. **CANE CREEK 32-1-25-20**

WITHIN SECTION 32, T 25 S, R 20 E, SLM, GRAND COUNTY, UTAH



PHOTO: CENTER-NORTH

CAMERA ANGLE: SITE SOUTH

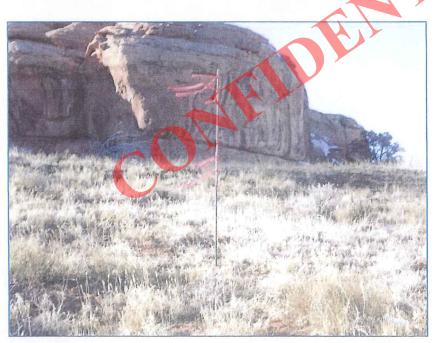


PHOTO: CENTER-EAST

CAMERA ANGLE: SITE WEST

FIDELITY EXPLORATION & PRODUCTION CO. **CANE CREEK 32-1-25-20**

WITHIN SECTION 32, T 25 S, R 20 E, SLM, GRAND COUNTY, UTAH



PHOTO: CENTER-SOUTH

CAMERA ANGLE: SITE NORTH

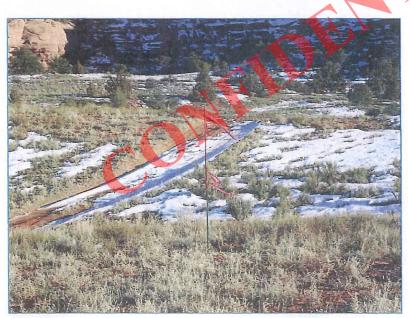


PHOTO: CENTER-WEST

CAMERA ANGLE: SITE EAST

KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 845

MOAB, UTAH, 84532

LOCATION PHOTOS

TAKEN BY: KBC DATE: 1-23-14 SURVEYED 1-23-14



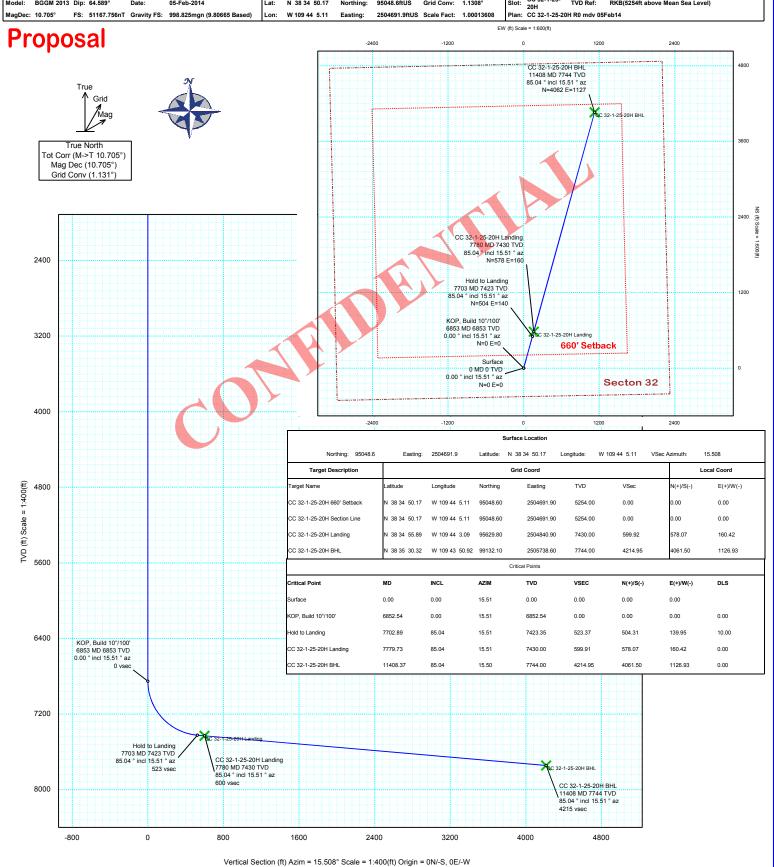
Fidelity

Rev₀



Borehole: Well: ield: UT, Grand County (NAD 27 Structure: **Original Hole** CC 32-1-25-20H Sec 32-25S-20E CZ)

Gravity & Magnetic Parameters Surface Location NAD27 Utah State Plane, Central Zone, US Feet Miscellaneous Slot: CC 32-1-25- TVD Ref: RKB Plan: CC 32-1-25-20H R0 mdv 05Feb14 Model: BGGM 2013 Dip: 64.589° N 38 34 50.17 Northing: 95048.6ftUS Grid Conv: 1.1308° RKB(5254ft above Mean Sea Level)





SURFACE USE PLAN

Name of Operator Address:

Fidelity Exploration & Production Company

1700 Lincoln Street, Suite 2800

Denver, CO 80203

Well Location: Cane Creek 32-1-25-20

452' FSL & 2312' FEL,

SWSE, Section 32, T25S, R20E

Grand County, UT

The proposed Cane Creek 32-1-25-20 well site will be located on surface and minerals owned by the State of Utah and managed by the School and Institutional Trust Lands Administration (SITLA). Fidelity does not anticipate any additional disturbance beyond the access road and original well pad dimensions. However, any additional construction work will be accomplished in coordination with the State and a Sundry Notice will be submitted to the State prior to construction of any new surface disturbance activity on State surface not specified in this document.

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating any additional construction activities. The State of Utah Authorized Officer will be notified at lease 48 hours prior to beginning drilling and/or additional facilities construction for scheduling of a preconstruction meeting.

1. Location of Existing Roads:

- a. The well pad is located approximately 30 miles west of Moab, Utah.
- b. Directions to the location from Moab, Utah are as follows:

Proceed northwest on Highway 191 for 11.2 miles. Turn left onto Highway 313 and proceed southwest 12.4 miles. Turn left on Gemini Bridges road and proceed east for 5.5 miles. Turn left onto access road and proceed 1.2 miles to location. For location of access roads, see Map A & B.

All roads are maintained by the Grand County Road Department or Utah State Highway Department. Any required improvements will be in coordination with and with permission from the Grand County Road Department.

c. All existing roads will be maintained and kept in good repair during all phases of operation.

d. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. New or Reconstructed Access Roads:

- a. Approximately 1.2 miles of new access road will be constructed for the drilling of this well
- b. Surface disturbance and vehicular travel will be limited to the approved location access road.
- c. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

a. There are no existing wells within a one-mile radius of the proposed Cane Creek 32-1-25-20 location.

4. Location of Existing and/or Proposed Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Juniper Green or Beetle Green to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this well site; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion,

fugitive dust, and impacts to adjacent areas.

h. A pipeline corridor has been considered for this well and will be applied for once production is achieved.

5. Location and Type of Water Supply:

- a. The water supply for construction, drilling and operations will be provided under a direct purchase agreement with the City of Moab municipal water supply.
 - b. No water pipelines will be laid for this well.
 - c. No water well will be drilled for this well.
 - d. Drilling water for this will be hauled on the road(s) shown.
 - e. Should additional water sources be pursued they will be properly permitted through the State of Utah Division of Water Rights.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.
- b. No camps or airstrips are proposed with this application.

8. Well Site Layout:

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. The existing access to the well pad will be from the west.
- c. The pad and road designs are consistent with BLM specifications.
- d. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- e. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a discontinuous windrow on the side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss, sterilization and contamination.
- f. Pits will remain fenced until site cleanup.

- g. The blooie line will be located at least 100 feet from the well head.
- h. Water injection may be implemented if necessary to minimize the amount of fugitive dust.
- 9. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):
 - a. Multiple wells are planned for the Cane Creek 32-1-25-20 location. Upon drilling of the final well for this pad, interim site reclamation will be accomplished for portions of the site not required for the continued operation of the wells.
 - b. Upon final well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the nylon reinforced plastic liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
 - c. Following BLM published Best Management Practices interim reclamation will be completed following completion of the final well to reestablish vegetation, reduce dust and erosion, and complement the visual resources of the area.
 - All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and recontoured.
 - 2. The area outside of the rig anchors and other disturbed areas not needed for the operation of the wells will be re-contoured to blend with the surrounding area and reseeded with the following native grass seeds:

Species of Seed	Broadcast Application Rate (lbs/ac)	App. Rate PLS (lbs/ac)
Blue Gramma	5	3
Galleta	2	2
Indian Ricegrass	3	2
Bottlebrush Squirreltail	1	1
	Total: 11	Total: 8

- 3. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will

be scarified and left with a rough surface. The site will then be seeded as described above.

f. A final abandonment notice will be submitted to the State when the reclamation activities (as presented in this document) are complete and new vegetation is established. Should there be any deviation from these planned reclamation activities, the surface owner will be notified and a Sundry Notice will be submitted to the State for approval of the new closure and reclamation activities.

10. <u>Surface and Mineral Ownership:</u>

- a. Surface Ownership State of Utah.
- b. Mineral Ownership State of Utah.

11. Other Information:

Company Representatives:

Bruce Houtchens
Drilling and Completion Manager
1700 Lincoln St. Suite 2800
Denver, CO 80203
(713) 351-1950-Direct line
(281) 217-6452 Cell
Bruce.houtchens@fidelityepco.com

Ryan Calhoun
Drilling Engineer II
1700 Lincoln St. Suite 2800
Denver, CO 80203
(720) 931-6455
(303) 710-1713
Ryan.calhoun@fidelityepco.com

Joy Gardner – Sr. Engineering Tech Fidelity Exploration & Production Company 1700 Lincoln St. Suite 2800 Denver, CO, 80203 (720) 956-5763 - Direct line Joy.gardner@fidelityepco.com

OPERATOR CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge, of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed here in will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provision of 18 U.S.C. 1001 for the filing of false statements.

Executed this 6th day of February, 2014

Name: Jayne Gates Signature: _

Position: Asset Team Manager

Address: 1700 Lincoln St. Suite 2800, Denver, CO 80203

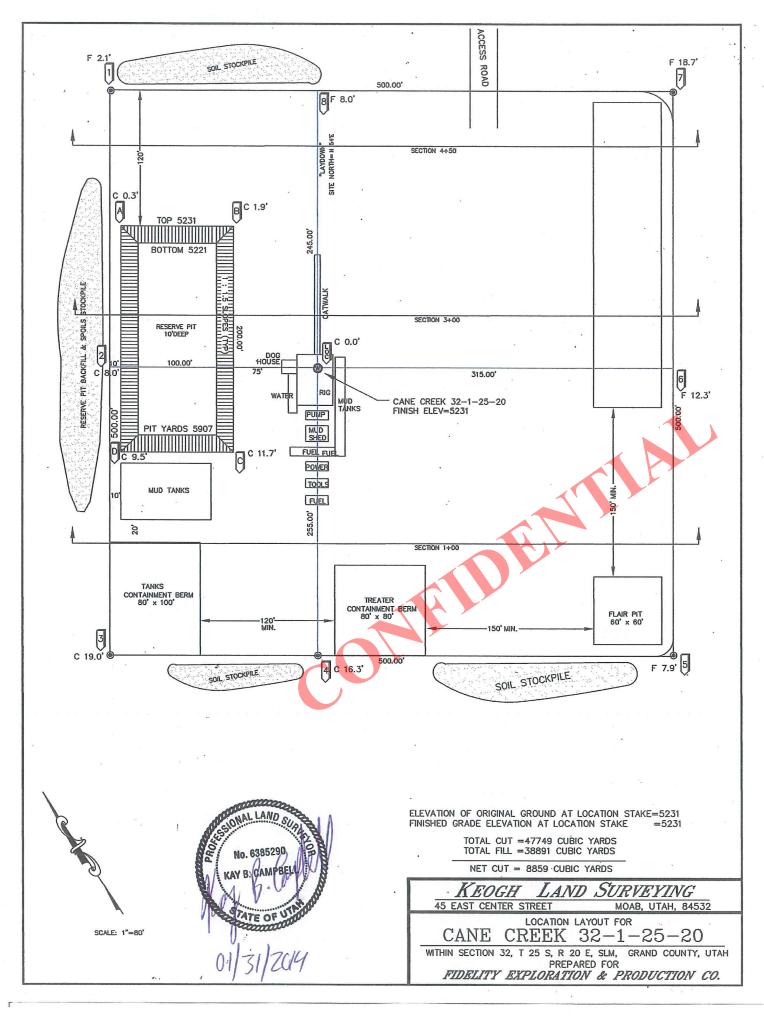
Telephone: 303 893-3133

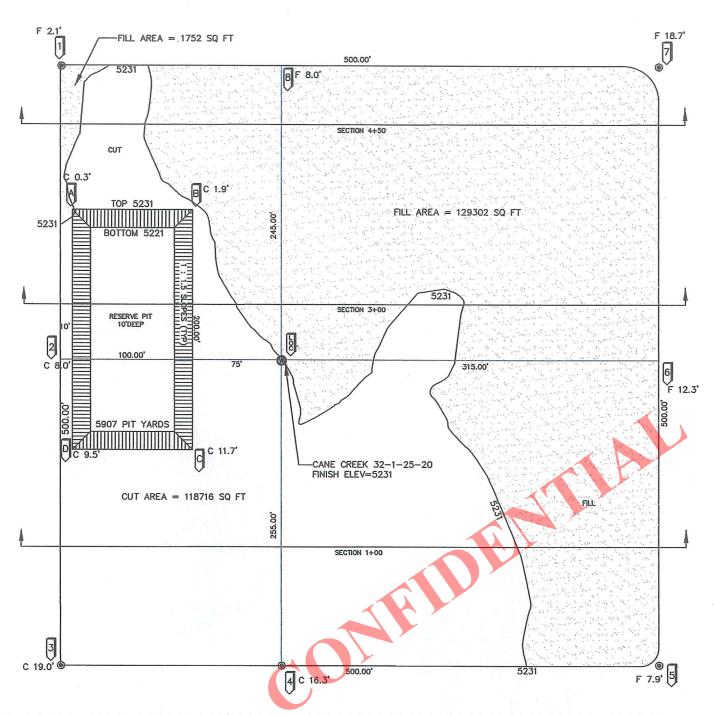
Field representative (is not above signatory)

Name: Mark Curtis - Operations Supervisor

Telephone: 307-324-5598

E-mail: Mark.Curtis@fidelityepco.com









ELEVATION OF ORIGINAL GROUND AT LOCATION STAKE=5231 FINISHED GRADE ELEVATION AT LOCATION STAKE =5231

TOTAL CUT =47749 CUBIC YARDS TOTAL FILL =38891 CUBIC YARDS

NET CUT = 8859 CUBIC YARDS

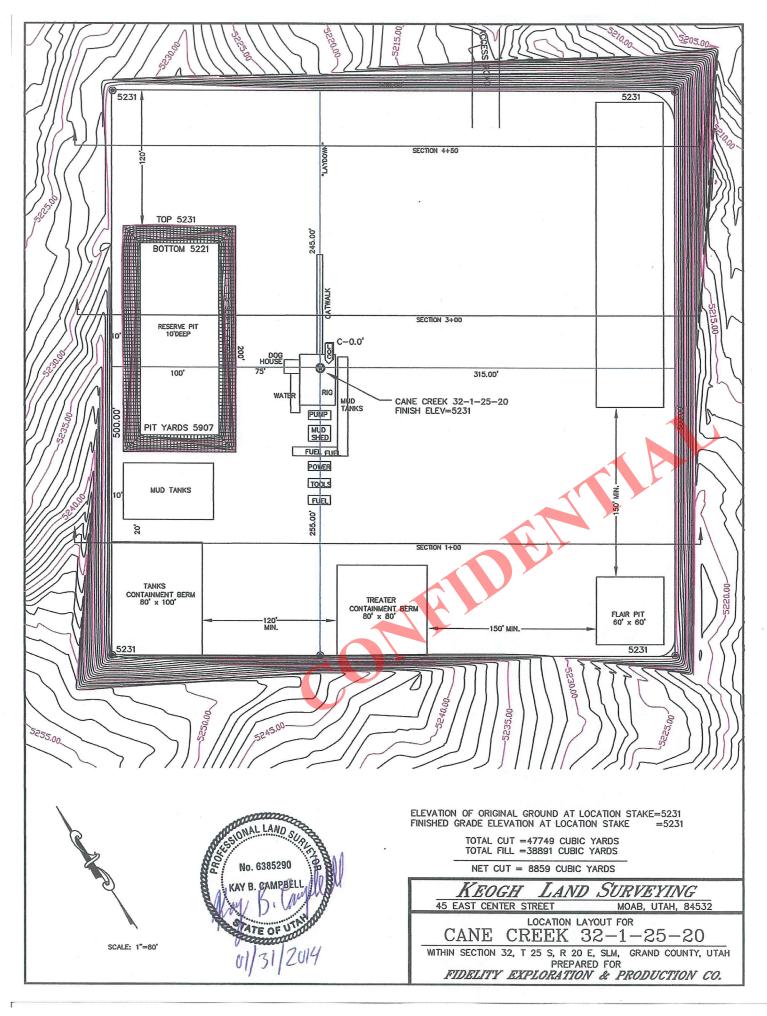
KEOGH LAND SURVEYING

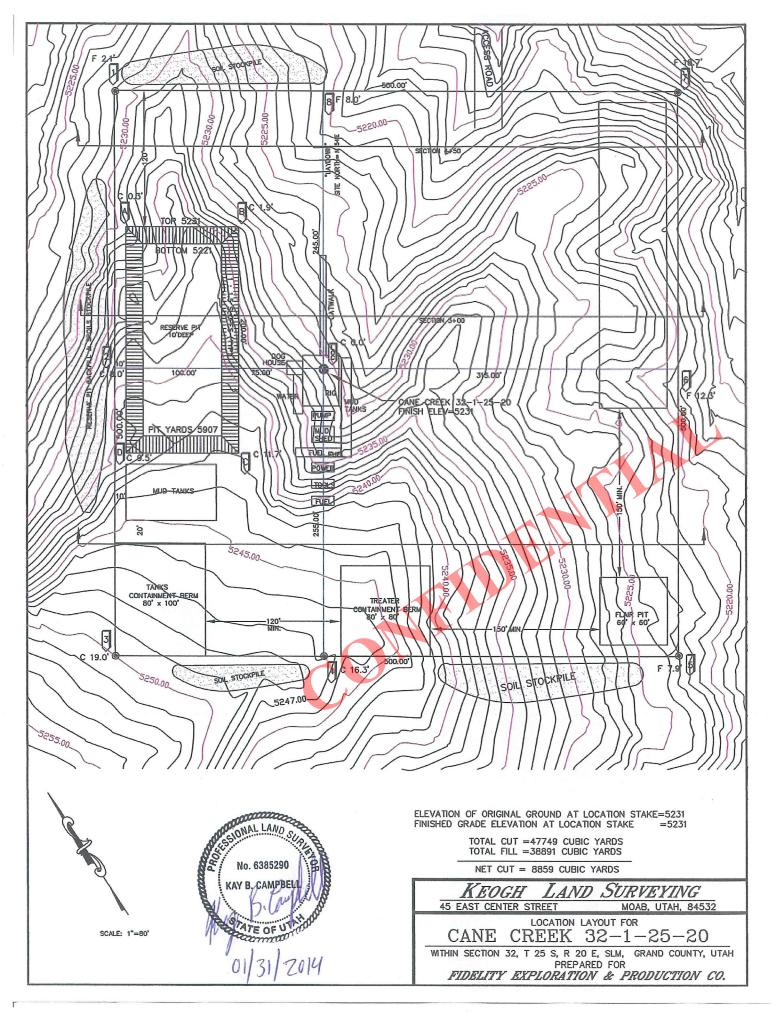
45 EAST CENTER STREET

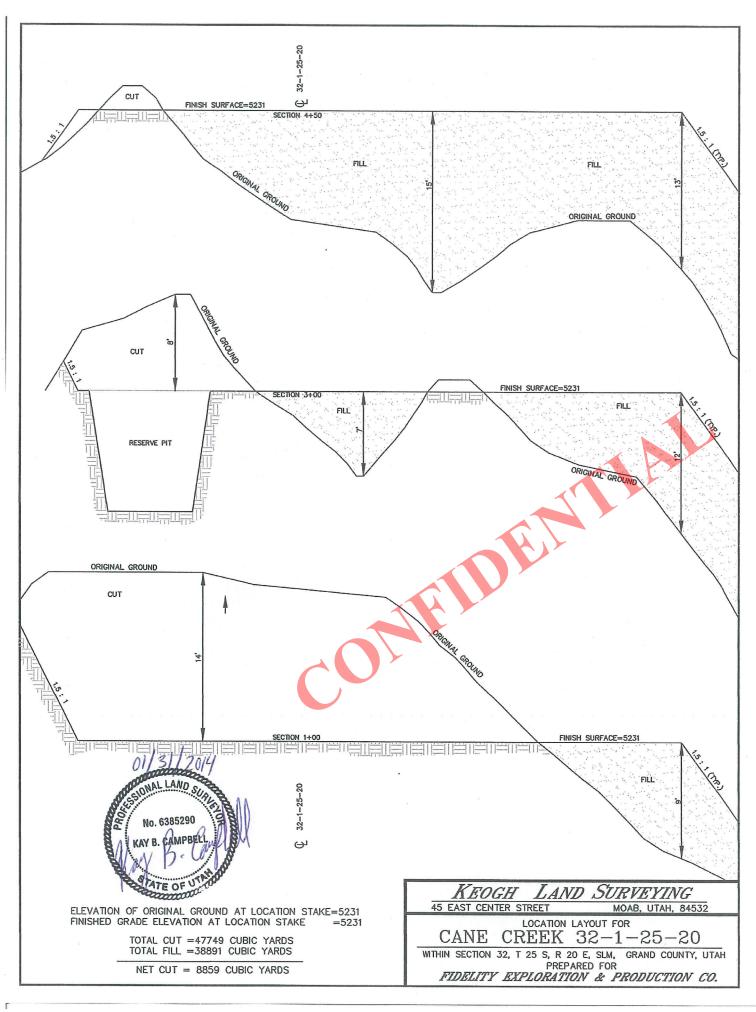
MOAB, UTAH, 84532

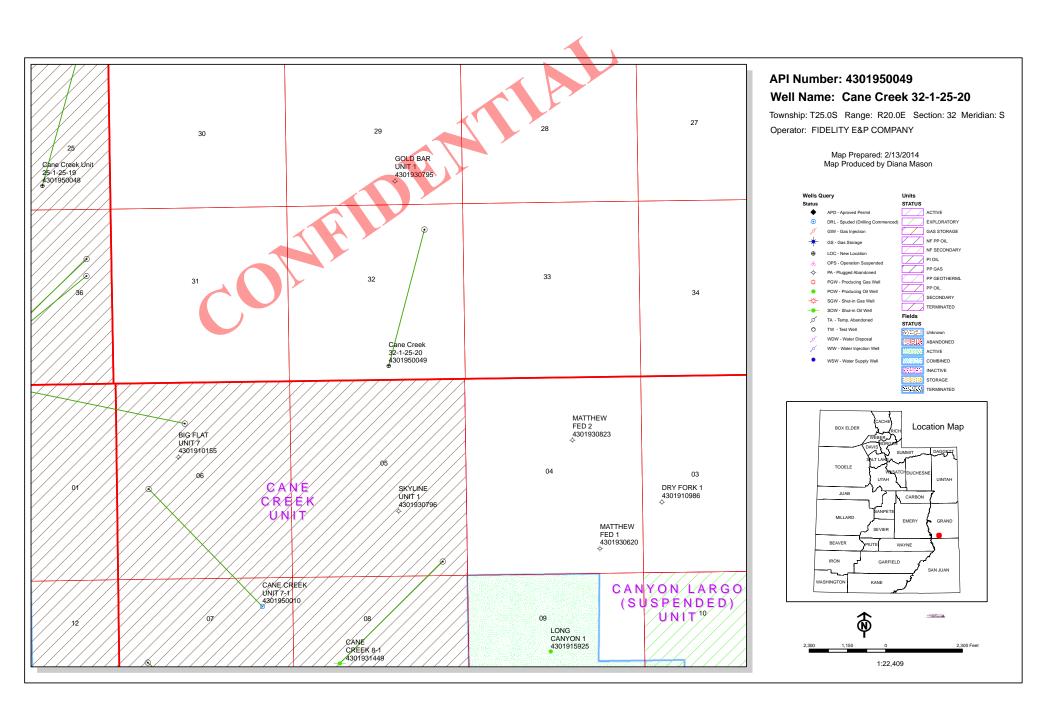
CANE CREEK 32-1-25-20

WITHIN SECTION 32, T 25 S, R 20 E, SLM, GRAND COUNTY, UTAH PREPARED FOR FIDELITY EXPLORATION & PRODUCTION CO.









BOPE REVIEW FIDELITY E&P COMPANY Cane Creek 32-1-25-20 43019500490000

Well Name		FIDELITY E&P COMPANY Cane Creek 32-1-25-20 43019500490000						
String		Cond	Surf	11	Prod			
Casing Size(")		20.000	13.375	9.625	7.000			
Setting Depth (TVD)	90	1000	4369	11408				
Previous Shoe Setting Depth	0	90	1000	4369				
Max Mud Weight (ppg)		8.3	9.0	9.0	16.5			
BOPE Proposed (psi)		0	500	10000	10000			
Casing Internal Yield (psi)		1000	2730	5750	11220			
Operators Max Anticipated P	6040			10.2				
Calculations		Cond S	tring		20.000			
Max BHP (psi)		Depth*MW=	39					

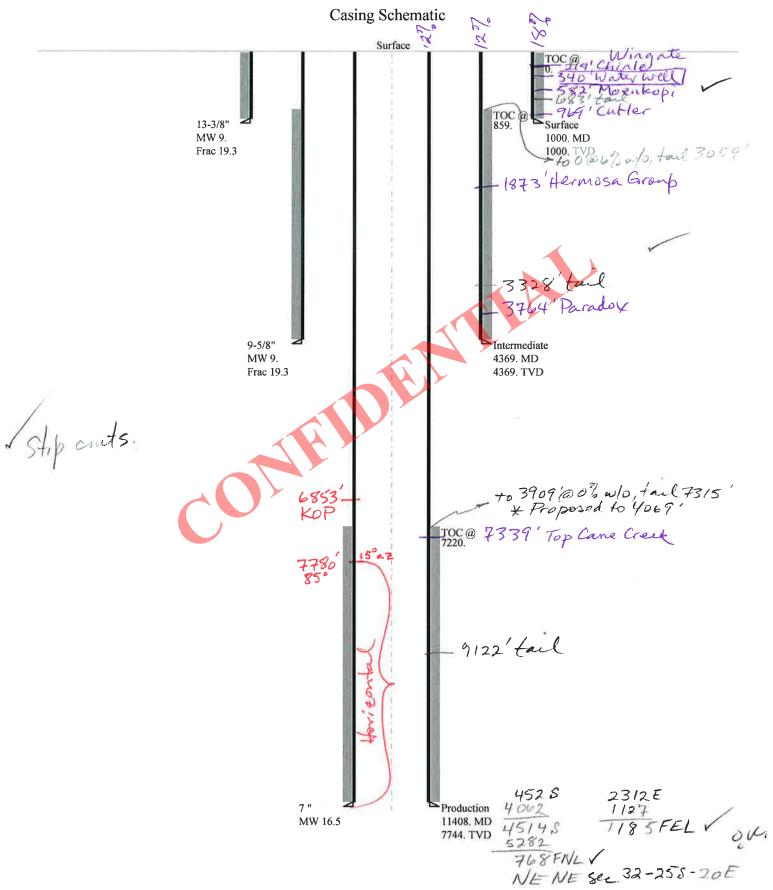
Calculations	Cond String	20.000	"
Max BHP (psi)	.052*Setting Depth*MW=	39	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	28	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	19	NO
Required Casing/BOPE Tes	st Pressure=	90	þ\$i
*Max Pressure Allowed @ 1	Previous Casing Shoe=	0	psi *Assumes 1psi/ft frac gradient

Calculations	Surf String	13	375	"
Max BHP (psi)	.052*Setting Depth*MW=	468		
				BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	348		YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	248		YES OK
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	268		NO OK
Required Casing/BOPE Tes	st Pressure=	1000		psi
*Max Pressure Allowed @	Previ <mark>ou</mark> s Casing Shoe=	90		psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	2045	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1521	YES 10M BOPE, annular preventer, dbl rams, blind rams, rotating
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1084	YES head, drilling spool
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	1304	NO OK
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @	Previous Casing Shoe=	1000	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	9788	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8419	YES 10M BOPE, annular preventer, dbl rams, blind rams, rotating
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7278	YES head, drilling spool
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	8239	NO OK
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @	Previous Casing Shoe=	4369	psi *Assumes 1psi/ft frac gradient

43019500490000 Cane Creek 32-1-25-20



43019500490000 Cane Creek 32-1-25-20 Well name:

Operator: FIDELITY E&P COMPANY

Surface

String type: Project ID: 43-019-50049

GRAND COUNTY Location:

Design parameters: Minimum design factors: **Environment:**

Collapse Collapse: H2S considered? No Surface temperature: 74 °F Mud weight: 9.000 ppg Design factor 1.125 Bottom hole temperature: Design is based on evacuated pipe. 88 °F

Temperature gradient: 1.40 °F/100ft Minimum section length: 100 ft

Burst:

1.00 Cement top: Surface Design factor

Burst

Max anticipated surface

pressure: 880 psi 0.120 psi/ft Internal gradient: Tension:

1.80 (J) Calculated BHP 1,000 psi 8 Round STC: 8 Round LTC: 1.70 (J)

Buttress: 1.60 (J) No backup mud specified. Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 867 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,369 ft 9.000 ppg Next mud weight: Next setting BHP: 2,043 psi Fracture mud wt: 19.250 ppg Fracture depth: 1,000 ft Injection pressure: 1,000 psi

Run Segment Nominal End **True Vert** Measured Drift Est. Sea Lenath Size Weight Grade **Finish** Depth Depth Diameter Cost (ft) (lbs/ft) (ft) (in) (ft) (in) (\$) 1000 54.50 **Buttress** 1000 1000 13279 1 13.375 J-55 12.49

Collapse Collapse **Burst Burst Tension** Run Collapse **Burst Tension** Tension Strength Strength Load Design Load Design Load Strength Design Seq (psi) **Factor Factor** (kips) **Factor** (psi) (psi) (psi) (kips) 1 468 1130 2.417 1000 2730 2.73 54.5 853.2 15.66 B

Helen Sadik-Macdonald Prepared

Div of Oil, Gas & Mining

Phone: 801 538-5357 Date: April 17,2014 FAX: 801-359-3940 Salt Lake City, Utah

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43019500490000 Cane Creek 32-1-25-20

Operator:

FIDELITY E&P COMPANY

String type:

Project ID:

Intermediate

43-019-50049

Location:

GRAND COUNTY

> Minimum design factors: **Environment:**

Collapse

Mud weight: 9.000 ppg Design is based on evacuated pipe.

Collapse:

Design factor 1.125 H2S considered? Surface temperature:

No 74 °F

Bottom hole temperature: Temperature gradient:

135 °F 1.40 °F/100ft

Minimum section length:

100 ft

Burst:

Design factor

1.00

Cement top:

859 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Design parameters:

3,408 psi 0.220 psi/ft

Calculated BHP 4,369 psi Tension:

8 Round STC:

8 Round LTC:

Premium:

Body yield:

1.70 (J) Buttress: 1.60 (J)

1,50 (J) 1.50 (B)

1.80 (J)

Tension is based on air weight. Neutral point: 3.784 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP: Fracture mud wt:

7,744 ft 16.500 ppg 6,638 psi 19.250 ppg

4,369 ft Fracture depth: Injection pressure: 4,369 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in) 📗	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	4369	9.625	40.00	L-80	Buttress	4369	4369	8.75	66898
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	2043	3090	1.513	4369	5750	1.32	174.8	916.3	5.24 B

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: April 17,2014 Salt Lake City, Utah

Collapse is based on a vertical depth of 4369 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name: 43019500490000 Cane Creek 32-1-25-20

Operator: FIDELITY E&P COMPANY

Operator. Production

String type: Production Project ID: 43-019-50049

Location: GRAND COUNTY

Design parameters: Minimum design factors: Environment: Collapse Collapse: H2S considered?

CollapseCollapse:Mud weight:16.500 ppgDesign factor1.125Design is based on evacuated pipe.

sign factor 1.125 Surface temperature: 74 °F
Bottom hole temperature: 182 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft Burst:

Design factor 1.00 Cement top: 7,220 ft

<u>Burst</u>

Max anticipated surface

pressure: 4,934 psi

Internal gradient: 0.220 psi/ft Calculated BHP 6,638 psi

No backup mud specified.

 Tension:

 8 Round STC:
 1.80 (J)

 8 Round LTC:
 1.80 (J)

 Buttress:
 1.60 (J)

Premium: 1,50 (J)
Body yield: 1,60 (B)

Tension is based on air weight. Neutral point: 5,883 ft

Estimated cost: 142,325 (\$)

Directional Info - Build & Hold
Kick-off point 6853 ft
Departure at shoe: 4214 ft
Maximum dogleg: 10 °/100ft

No

Inclination at shoe: 85.04 °

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
3	4000	7	29.00	P-110	Buttress	4000	4000	6.059	48338
2	3800	7	32.00	HCP-110	Buttress	7432	7800	6	50386
1	3608	7	29.00	P-110	Buttress	7744	11408	6.059	43601
Run Seq	Collapse Load	Collapse Strength	Collapse Design	Burst Load	Burst Strength	Burst Design	Tension Load	Tension Strength	Tension Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
3	3429	8182	2.386	5814	11220	1.93	234.9	929.4	3.96 B
2	6370	10755	1.688	6569	11640	1.77	118.9	1024.9	8.62 B
1	6638	8530	1.285	6638	11220	1.69	9	929.4	99.99 B

Prepared Helen

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: April 17,2014 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7744 ft, a mud weight of 16.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a



Diana Mason <dianawhitney@utah.gov>

Fidelity Well Approval

Jeff Conley < jconley@utah.gov>

Tue, May 20, 2014 at 5:40 PM

To: Bradley Hill
 bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov> Cc: starpoint <starpoint@etv.net>, Bart Kettle <bartkettle@utah.gov>, Jim Davis <jimdavis1@utah.gov>, dina.brown@fidelityepco.com

Hello,

The following well has been approved by SITLA including arch and paleo with the paleo stipulation that a paleo spot check be conducted after construction of the pad, prior to installation of a pit liner. During the same visit, any modifications to the Crips Hole Road should be inspected for paleo resources. In addition to these stipulations, SITLA requires Fidelity Exploration and Production fence the entire pad post-construction. Finally, Fidelity is required to perform baseline and post-well completion water quality testing of the nearby water well on SITLA property, and provide these results to SITLA.

RIDE (4301950049) Cane Creek 32-1-25-20

Thank you,

Jeff Conley SITLA Resource Specialist jconley@utah.gov 801-538-5157

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

OperatorFIDELITY E&P COMPANYWell NameCane Creek 32-1-25-20

API Number 43019500490000 APD No 9402 Field/Unit WILDCAT

Location: 1/4,1/4 SWSE Sec 32 Tw 25.0S Rng 20.0E 452 FSL 2312 FEL

GPS Coord (UTM) Surface Owner

Participants

Bart Kettle-DOGM, Robby Edgel-UDWR, Jeff Conley-SITLA, Charlie Harrison-Harrison Oil Field Services, Dina Brown-Fidelity E&P Company, Lloyd-Fidelity E&P.

Regional/Local Setting & Topography

Proposed project site is located ~19 miles northwest of Moab Utah, in Grand County Utah. On a regional setting the proposed project is located in the Canyonlands Region of the Colorado Plateau. The Canyonlands Region is renowned for its red rock canyons and spectacular views. Tourism is a growing industry in the region. In close proximity to the proposed project site, Dead Horse State Park, Aches National Park and Canyonlands National Park are popular destinations along with the community of Moab Utah. On a local scale the proposed project site is located near Gemini Bridges Road in Crips Hole. Local points of interest include: Mosquito Arch, Bullwhip Arch, Crips Arch, Boulder Bridge, Gemini Arch, Gemini Bridges, Arths Pasture, Seven mile Canyon, Long Canyon, Dead Horse Point, Horsetheif Point, Mineral Bottoms, Islands in the Sky, Hell Roaring Canyon, Courthouse Rock and Dubinky Point. Topography is typical of the Canyonlands Region: a series of large sandy mesa's abruptly falling off into steep canyons comprised of alternating layers of sandstone and shale. Climatic conditions within the region are arid, and vegetation is typically sparse. The proposed project site is located on wind deposited sandy loams surrounded by Wingate sandstone outcrops. Precipitation is considered a 8-10" precept zone. Soils are dominated by Eolian deposits and are predominantly unstable sands and sandy loams. Vegetation would be described as Pinion-Juniper Woodlands and black brush communities. Water drainage is to the east, entering drainages within Crips Hole immediately, Bull Canyon within 1.75 miles and the Colorado River within 6.5 miles. No perennial water sources where observed in close proximity to the project site however a water right is recorded in close proximity.

Surface Use Plan

Current Surface Use

Recreational Wildlfe Habitat Grazing

New Road Miles Well Pad Src Const Material Surface Formation

0.6 Width 500 Length 500 Onsite WINGT

Ancillary Facilities N

0.6 mile of two track will be up graded for access to well pad.

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Ephemeral drainages adjacent to both sides of proposed project site.

Flora / Fauna

Flora

Grass: Muhly spp., cheatgrass, curly galleta, Indian ricegrass. Forbs: Russian thistle, sunflower, multiple unknown annuals.

Shrubs: Four wing salt brush, Mormon tea, winter fat.

Trees: Utah Juniper

Succulents: Prickly pear cactus spp.

Fauna: Mule deer, big horn sheep, coyote, kit fox, gray fox. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark. Host of small rodents and reptiles possible such as: Black tailed rabbit, cottontail rabbit, woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, spotted skunk, and antelope squirrel.

Soil Type and Characteristics

Reddish orange sands and sandy loams.

Erosion Issues Y

Soils prone to wind and water erosion once disturbed.

Sedimentation Issues Y

Increased sedimentation into ephemeral wash's likely until soil piles are stabilized.

Site Stability Issues Y

Spoils pile, or other rock will be required at corner #2 to prevent storm water from entering reserve pit.

Drainage Diverson Required? Y

Spoils pile from reserve pit should be placed at corner #2.

Berm Required? Y

Berm required around all equipment containing fluids.

Erosion Sedimentation Control Required? Y

Seeding should be completed outside of anchors within one year following well pad construction.

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? Y

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)

20

Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	500 to 1320	10	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	High permeability	20	
Fluid Type	Oil Base Mud Fluid	15	
Drill Cuttings	Salt or Detrimental	10	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	75	1 Sensitivity Level

Characteristics / Requirements

Proposed drilling system includes the use of a oil based mud drilling system to stabilize hole through Paradox salt zones. As such a reserve pit is being proposed along with a closed loop drilling system for oil based drilling mediums.

Proposed drilling program is anticipated to exceed 30 days. Due to prolonged drilling program pit liners shall be inspected weekly to assure integrity.

Reserve pit fluids at sites with comparable drilling programs within the Paradox formation have had TDS in excess of 50,000 mg/l. Additional reclamation steps may be required for materials high in chlorides. Precautions should be taken while drilling to assure salt or detrimental cuttings are not mixed with normal rock cuttings.

Surface formations are members of the Glen Canyon group and are capable of containing fresh water aquifers. Permeability of soils and underlying sandstones is medium to high. Pit liner of 24 ml for reserve pit shall be properly installed with bedding of sand or felt. Tanks and handling equipment containing oil based drilling materials should be underlain with a 20 mil synthetic liner as secondary containment.

Closed Loop Mud Required? Liner Required? Liner Thickness Pit Underlayment Required?

Other Observations / Comments

Access road is proposed as a 14' running surface with turnouts. Minimal construction will be completed until well is deemed capable of commercial production. Pit run will be placed at wash crossing and portions of road requiring maintenance during drilling operations. Due to cultural site in close proximity to proposed access road cultural supervision is required during construction. Wash crossing should be maintained and stabilized through drilling and production of well.

DOGM noted significant concerns regarding reserve/cuttings pit lining, management and reclamation. Pit contents with TDS in excess of 50,000 mg/l are possible, as such additional stipulations and precautions will be required.

Top 6-12" of top soils should be saved and stockpile on the east and southern sides of the well pad. All disturbed soils shall be seeded within 12 months of disturbance.

UDWR commented proposed site is located within Bighorn sheep lambing area. As such UDWR is recommending no drilling or construction activity from April 1st to June 15th. No raptor surveys have been conducted for surrounding sandstone outcrops. Given that suitable nesting

habitat is readily available raptor surveys should be completed.

Two Special Use Lease Agreements, SULA 1326 & SULA 1360 are located in close proximity to the proposed project site. Sites are referred to as the Boy Scout Camp and the Red Stewart Hunting Camp. Both leases have been notified of activity.

A water right is listed by the Utah Division or Water Rights within 1000' of the proposed project.

Bart Kettle **Evaluator**

3/4/2014 **Date / Time**



Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type		Surf Owner	CBM
9402	43019500490000	SITLA	OW		S	No
Operator	FIDELITY E&P COMPANY		Surface Owner-APD			
Well Name	Cane Creek 32-1-25-20		Unit			
Field	WILDCAT		Type of Work		DRILL	
Location	SWSE 32 25S 20E S	452 FSL	2312 FEL	GPS Coord		
Location	(UTM) 610154E 42709	86N				

Geologic Statement of Basis

Fidelity E&P Company proposes to drill the well to a total depth of 7,744' and plans to set surface casing from 0'-1,000'. The surface string will be drilled using an air mist. The proposed well would be spud in sandy soil that has been developed from the erosion of the Wingate Sandstone, which is exposed at the surface at this location. The well location is approximately three miles from the axis of the Cane Creek Anticline. It is reasonable to expect fractures & joints that may result in zones of lost circulation during drilling. There is one underground water right within one mile of the proposed location; SITLA has a water right for watering stock and culinary water. The water well is approximately 400 feet north of the proposed location and has a diameter of 6 inches and was drilled to a depth of 340'. It is likely that fresh water will be encountered at this location. The proposed casing and cementing program should adequately protect any useable groundwater resources encountered during the drilling of this well.

Ammon McDonald
APD Evaluator

3/19/2014 **Date / Time**

Surface Statement of Basis

On-site evaluation conducted March 4, 2014. In attendance: Bart Kettle-DOGM, Robby Edgel-UDWR, Jeff Conley-SITLA, Charlie Harrison-Harrison Oil Field Services, Dina Brown-Fidelity E&P Company, Lloyd-Fidelity E&P.

Proposed project is located in an environmentally sensitive region. National Parks, slick rock trails, river rafting and scenic views attract thousands of tourist to the region annually. Due to awareness of mineral exploration in the area it is reasonable to expect scrutiny of drilling operations for proposed project. Operator instructed to monitor drilling operations and ROW activity closely. Problems should be addressed immediately. Steps to limit activity during peak tourist season, and hours of the day are recommended.

A water right is listed with the Division of Water Rights within 1000' of proposed site. As such DOGM is requiring additional precautions for reserve pit and handling of salt laden and oil base mud cuttings. Slopes of pit walls should not exceed 2:1. Pits shall be lined as determined by site evaluation ranking. The geomembrane shall consist of 24 mil string reinforced LDPE or equivalent liner for reserve pit. The geomembrane liner should be composed of an impervious synthetic material resistant to hydrocarbons, salts and alkaline solutions.

Tanks and equipment handling or storing fluids will require 20 mil string reinforced

API Well Number: 43019500490000

geomembrane liner. Liner should be placed over prepared surface containing 12" berms and key trench to secure liner.

Blasting is anticipated for reserve pit, fractured rock should be properly bedded with sand or a felt liner. Liner edges should be secured. Liner should be protected from fluid force or mechanical damage at points of discharge or suction.

Due to anticipated prolonged drilling operations precautions should be taken to prevent punctures from drilling related activities. Weekly inspection of liner should be conducted and recorded. Surface water run off should not be allowed to enter pits.

While drilling three sides of pits should be fenced. Fencing should include reinforced corner braces, 36" woven net wire on the bottom and two strands of barbed wire on top spaced at 6" apart. Following completion of drilling activities pits will require fencing on the fourth side, removal of free standing oil and netting to prevent entry by water fowl.

Pits will require reclamation to be completed one year following the removal of drilling rig. Reclamation measures shall be submitted to DOGM for approval following analysis of pit contents.

Utah Division of Wildlife (UDWR) is requesting seasonal closures from April 1st to June 15th for bighorn sheep lambing. Raptor surveys should be completed on suitable sites.

Access road should be routed around eligible cultural sites. Wash crossing shall be maintained and stabilized through all aspects of drilling and production.

SITLA noted well pad will require additional bonding due to site and volume of materials moved to construct well pad. Due to proximity to Boy Scout camp well pad should be fenced to secure site from investigating adolescent's.

Bart Kettle Onsite Evaluator

3/4/2014 Date / Time

Conditions of A	pproval / Application for Permit to Drill
Category	Condition
Pits	A geomembrane liner with a minimum thickness of 20 mils shall be properly installed and maintained under pits, tanks and equipment storing or handling oil based drilling fluids or salt laden cuttings. Geomembrane liner shall consist of a string reinforced impervious synthetic material, resistant to hydrocarbons, salts and alkaline solutions.
Pits	A representative sample of drill cuttings shall be collected and analyzed prior to disposal at approved facility.
Pits	A closed loop mud circulation system is required while using oil based drilling mediums.
Pits	Reserve pit liner shall be protected from fluid force or mechanical damage at points of discharge or suction.
Pits	The Division shall be consulted prior to reclamation of reserve pit and drill cuttings.
Pits	Weekly inspections of liners shall be conducted and documented until materials are removed, or reserve pit is reclaimed.
Pits	Fractured rock in reserve pit area or oil based mud handling areas shall be properly bedded.
Pits	The reserve pit shall be fenced upon completion of drilling operations. Netting will be required over pit if it contains hydrocarbons or RCRA-exempt hazardous substances.
Surface	Access road and well pad shall have fresh water applied to control dust as needed.
Surface	Berm required around all equipment containing fluids.
Surface	Disturbed soils shall be seeded as part of interim reclamation within one year following construction of well pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	Access road shall be maintained and stabilized while drilling and through wells production phase.
Surface	Site shall be secured to prevent entrance of unauthorized personal.

RECEIVED: May 27, 2014

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/11/2014 API NO. ASSIGNED: 43019500490000

WELL NAME: Cane Creek 32-1-25-20

OPERATOR: FIDELITY E&P COMPANY (N3155) PHONE NUMBER: 720 956-5763

CONTACT: Joy Gardner

PROPOSED LOCATION: SWSE 32 250S 200E **Permit Tech Review:**

> **SURFACE:** 0452 FSL 2312 FEL **Engineering Review:**

> **BOTTOM: 0745 FNL 1173 FEL** Geology Review:

COUNTY: GRAND

LATITUDE: 38.58052 LONGITUDE: -109.73535 UTM SURF EASTINGS: 610154.00 NORTHINGS: 4270986.00 FIELD NAME: WILDCAT

LOCATION AND SITING:

R649-2-3.

Unit:

PROPOSED PRODUCING FORMATION(S): CANE CREEK LEASE NUMBER: ML-49667

SURFACE OWNER: 3 - State **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED:

✓ PLAT

LEASE TYPE: 3 - State

Bond: STATE/FEE - 190017646/104891324

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: R649-3-2.6 Water Permit: Municipal

RDCC Review: 2014-05-21 00:00:00.0 **Effective Date:**

Fee Surface Agreement Siting:

Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

s: Presite Completed TEMP 640 ACRE SPACING: Comments:

5 - Statement of Basis - bhill Stipulations:

8 - Cement to Surface -- 2 strings - hmacdonald

12 - Cement Volume (3) - hmacdonald 21 - RDCC - dmason

23 - Spacing - dmason 26 - Temporary Spacing - dmason 27 - Other - bhill



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Cane Creek 32-1-25-20

API Well Number: 43019500490000

Lease Number: ML-49667 Surface Owner: STATE Approval Date: 5/27/2014

Issued to:

FIDELITY E&P COMPANY, 1801 California St. Ste 2500, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.6. The expected producing formation or pool is the CANE CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing

a Request for Agency Action with the Board.

A temporary 640 acre spacing unit is hereby established in Section 32, Township 25 S, Range 20 E, SLB&M for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4069' MD as indicated in the submitted drilling plan.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

• Dan Jarvis 801-538-5338 - office 801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

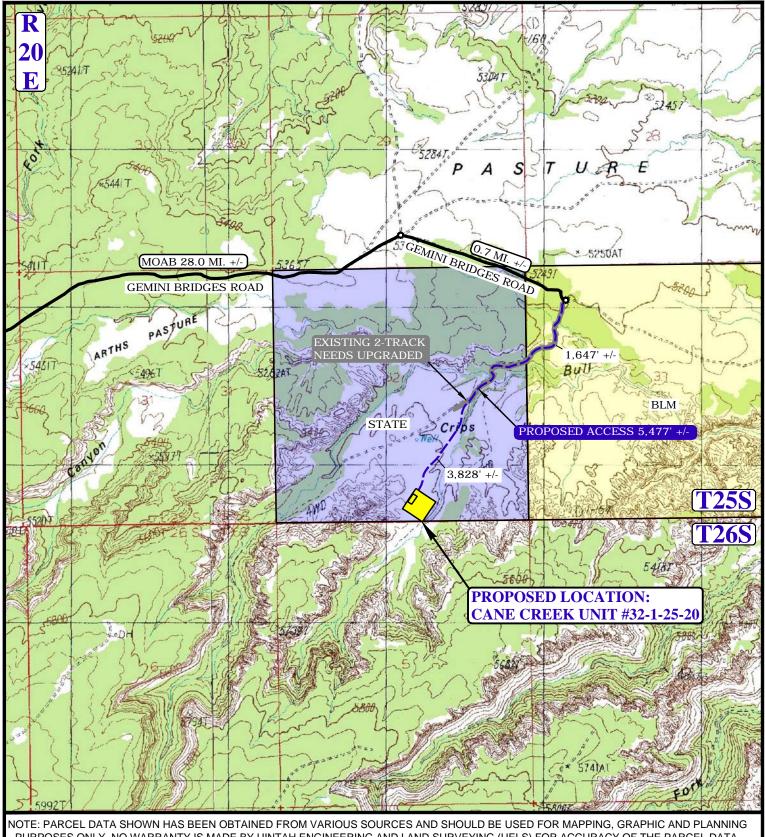
Approved By:

For John Rogers Associate Director, Oil & Gas Sundry Number: 51505 API Well Number: 43019500490000

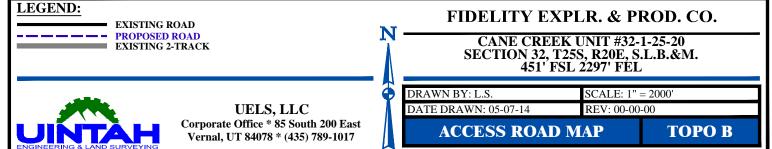
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49667
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cane Creek 32-1-25-20
2. NAME OF OPERATOR: FIDELITY E&P COMPANY			9. API NUMBER: 43019500490000
3. ADDRESS OF OPERATOR: 1801 California St. Ste 250	0 , Denver, CO, 80202	PHONE NUMBER: 713 351-1968 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0452 FSL 2312 FEL			COUNTY: GRAND
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 32 Township: 25.0S Range: 20.0E Merid	ian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
5/30/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	WILDCAT WELL DETERMINATION	U OTHER	Official Control of the Control of t
Fidelity E&P Compalignment across SI access that is short	completed operations, clearly show pany requests approvals to clearly requests approvals to clearly requests approvals to clearly requests approvals to clearly reference ter and minimizes drainage rance has previously been consubmitted directly to the SITM submitted directly to	nange the access road ed well to insure a safer crossings. Cultural and ompleted with reports	Accepted by the Utah Division of Oil, Gas and Mining FORUE ECARD ONLY
NAME (PLEASE PRINT) Don Hamilton	PHONE NUMB 435 650-3866	ER TITLE Permitting Agent (Star Poin	t Enterprises, Inc.)
SIGNATURE N/A		DATE 5/27/2014	
L + +/ * *			

Sundry Number: 51505 API Well Number: 43019500490000 tlett 0.7 MI. +/-GEMINI BRIDGES ROAD SEE TOPO "B' **T25S T26S** Flat Big AD HORSE POINT **LEGEND:** FIDELITY EXPLR. & PROD. CO. PROPOSED LOCATION CANE CREEK UNIT #32-1-25-20 SECTION 32, T25S, R20E, S.L.B.&M. 451' FSL 2297' FEL DRAWN BY: L.S. SCALE: 1:100,000 DATE DRAWN: 05-07-14 REV: 00-00-00 **UELS, LLC** Corporate Office * 85 South 200 East **ACCESS ROAD MAP TOPO A** Vernal, UT 84078 * (435) 789-1017

Sundry Number: 51505 API Well Number: 43019500490000



PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.



Sundry Number: 53057 API Well Number: 43019500490000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49667
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly eenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cane Creek 32-1-25-20
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3. ADDRESS OF OPERATOR: 1801 California St. Ste 250	0 , Denver, CO, 80202	PHONE NUMBER: 713 351-1968 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0452 FSL 2312 FEL			COUNTY: GRAND
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 2 Township: 25.0S Range: 20.0E Mer	idian: S	STATE: UTAH
11. CHECI	APPROPRIATE BOXES TO INDICATE	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
,	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:			
6/18/2014	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
DRILLING REPORT	L TUBING REPAIR	☐ VENT OR FLARE ☐	☐ WATER DISPOSAL
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
The Cane Creek 32	COMPLETED OPERATIONS. Clearly show 2-1-25-20 was spud on 6/1 and cemented with 13 yds	8/2014. Set 110 ft of 20	Accepted by the Utah Division of Oil, Gas and Mining FORURE, ORD ONLY
NAME (PLEASE PRINT) Sandi Stocker	PHONE NUM 720 931-9637	IBER TITLE Engineering Tech	
SIGNATURE N/A		DATE 7/8/2014	

RECEIVED: Jul. 08, 2014

43 019 50049

CANE CREEK UNIT # 32-1-25-20H

SW/SE Sec 32, T25S, R20E

GRAND COUNTY, UTAH

RECEIVED
AUG 1 3 2014

DIV. OF OIL, GAS & MINING



Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

GEOLOGY REPORT by

Hal Schmidt
Consulting Geologist
Hal Schmidt LLC
10 Heather Way
Golden, Colorado 80401

Bus: 303-279-4013 Cell: 303-919-7822 Kent Roddy
Consulting Geologist
Kent Roddy, LLC
2024 Colorado Ave.
Rockford, Illinois 61108
Cell: 406-370-5368

GEOLOGICAL INTRODUCTION

RECEIVEL AUG 13 ZUA

The Fidelity Exploration & Production Co. Cane Creek Unit #32-1-25-20H, located in SWINEDS & MINING 32, T25S, R20E spud near the base of the Jurassic, Wingate Formation on June 28, 2014. It was drilled vertically to a depth of 6800' in Salt #18. The well was deviated from this kick off point to land with an inclination of 78 degrees at 7750' in the A zone of the Cane Creek Shale member of the Pennsylvanian Paradox Formation on July 10, 2014.

Electric logs were then run from intermediate casing depth of 4309' to maximum depth possible at 7448' in order to obtain lithology and petrologic information of clastic zones in the Paradox Formation.

At this point, the curve BHA was replaced with a lateral BHA containing an ipzig tool in order to obtain gamma data at the bit. Drilling of the horizontal lateral continued at 78 to 80 degrees through the Cane Creek, until at 9340' salt was encountered due to faulting. At 10,025', it was determined that the well bore was below the base of the Cane Creek Shale and an open hole sidetrack was in order.

Sidetrack #1 was than drilled forward from 8806' in the Cane Creek at an inclination of 90 degrees crossing a faulted zone at 9330' and then out the top of the Cane Creek into overlying Salt #21 at 9478'. Salt #21 was drilled to 9750' where the top of the Cane Creek was again penetrated. Drilling forward in the Cane Creek, the A1-SH was drilled and with an inclination of 79 to 77 degrees the bit became somewhat locked into following the northward dipping formation in the zone between the A1 and B1 black shale markers. At 11,000' the B1 shale was finally drilled when the hole inclination reached 73 to 74 degrees. Because much of the lateral was not in the desired optimum B zone target dolomite, the decision was made at 11,037' to drill sidetrack #2.

The BHA was pulled back to 8580' to drill Sidetrack #2. Information gained from the lateral and sidetrack #1 was important in guiding the steering of this sidetrack. As a result this lateral was steered with known targets to aim for which resulted in the sidetrack staying in the B zone dolomite for the entire lateral. Staying in the optimum potential reservoir zone paid off with this lateral having good shows and encountering fractures that were not seen by the other laterals. The best zone was encountered at 10,003' where the well took a 5 bbl gain before being shut in. Mud weight was raised and flow was routed through the MPD system and the gas buster. It was necessary to continue to hold pressure on the well head as it was drilled to total depth of 11,405'.

A 24 hour, two man geologist well site service began at 1090' on June 30, 2014 at base of surface casing. An MSI chromatograph was used to record total gas along with the various gas components of C-1 through C-4. The total gas readings were displayed on the rig electronic data recorder screen "Pason" for viewing by operating personnel at the rig. The total gas and the various gas components recorded were plotted at lagged depth to compile a permanent mudlog record of drilling parameters, lithology drilled along with hydrocarbon shows.

VERTICAL PILOT HOLE - LITHOLOGY DRILLED

TRIASSIC, PERMIAN

The well spudded in the basal Jurassic, Wingate Formation and was drilled with air & water to 1090' in the Permian Cutler Formation. Surface casing was set and cemented at 1078'. Geology service started at this depth. As drilling resumed, air & water continued to be used as a drilling medium. Samples were caught as air/water carrying cuttings, discharged from the blooie line muffler and into a series of settling tanks. A reserve pit was not used due to government restrictions. As air/water was employed as a drilling medium, the flow was not always consistent and some surging or unloading was present at various times. As a result, the basic lithology can be interpreted but detailed changes in lithology are highly generalized. From 1090' to 1150'the lithology consisted of orange-red siltstone and shale. Sandstone, orange-brown in color, fine to medium grained, with mica and orange feldspar grains was drilled from 1150 to 1290'. At 1290' to 1350' red-brown to orange brown shale was present. Sandstone with thin interbeds of shale was drilled from 1350' to 2000'. Shale was similar to above and Sandstone was consisted of fine to coarse grained quartz, generally red-brown to orange-brown in color, soft, mostly unconsolidated, calcareous, with mica and arkosic feldspar common.

The interval from 2000' to 2300' consisted of sandstone interbedded with conglomerate. Both were redbrown in color, with the sandstone being fine to medium grained, with black mica specks. The conglomerate was coarse to very coarse with large clear quartz and pink-orange feldspar grains and pebbles. The sand and conglomerate drilled up into loose grains with some calcareous cement on the grains and pebbles.

PENNSYLVANIAN

Honaker Trail Formation

At 2300' the cuttings red color began slowly changing to gray. Here sandstone was white, very fine to medium grained, consisting of clear, frosted quartz with calcareous cement and containing black to gray mica specks.

The Honaker Trail formation was picked at 2426' based on the lithology changing from sandstone to limestone. At 2440' a water flow was noted by the driller, with the water probably coming out of the basal sandstones of the Cutler.

The limestone was gray-brown, to medium dark gray in color, very fine crystalline, slightly argillaceous with traces of micro- fossil debris. The overall color of the section being drilled continued to change from red to gray. Due to the high volume of air needed to keep the air hammer drilling and move water out of the hole, some up hole erosion occurs, which keeps some amount of red sediments present in the discharge stream.

At 2600' to 2700'a brown shally siltstone was drilled. The siltstone grades to silty shale in part and contains distinctive gold colored mica flakes. From 2700' to 2950' limestone and sandstone is present. The limestone is dark gray to gray-brown, very fine to fine crystalline sometimes sub lithographic and

contains fossil fragments. Sandstone is light gray to slightly clear, very fine grained, calcareous and contains mica and some feldspar.

From 2950' to 3600', the section drilled is mostly limestone, light to medium gray, gray-brown, cream to white in color, very fine to micro crystalline with some scattered onlites and milky to gray chert.

Paradox Formation

At 3600' black, organic, soft, dolomitic shale was present in the samples. This may indicate the top of the Paradox Formation. At 3790' the air hammer bit torqued up and quit as it drilled into what appeared to be a thin bed of solid gray chert,. The air hammer bit was tripped out of the hole and replaced by a tri-cone insert bit. Drilling proceeded using aerated water as a drilling fluid.

The top of the Paradox formation was predicted at 3763 by the prognosis but no definite sample top was picked by the wellsite geologist. Lithology consisted of limestone, light gray, tan, gray- brown in color, very fine to micro crystalline to dense with some interbeds of dark gray, black, carbonaceous shale present in the upper part

The Ismay member was picked at 3946' based on an increase in rate of penetration. The Ismay consisted of limestone, white to light gray, cream, dark gray in color, very fine crystalline, sandy to very sandy and was partly composed of clastic carbonate grains.

Salt #1 was encountered at 4008'. Due to drilling with aerated water, no salt was initially seen in samples as it dissolved before reaching the surface. By using a tri-cone bit, the top of the salt can be determined from the increase in drill rate, which is consistent and fast at close to 120 feet per hour. At 4050' and below, the water in the hole became salt saturated and salt samples reached the surface.

The top of Clastic #1 was drilled at 4195' and the base at 4285' based on drill time. Lithology consisted of dolomite, black shale and anhydrite but the samples were very poor. No gas increases were recorded.

Salt #2 at 4285' was drilled to 4321'. Intermediate 9 5/8" casing was then run to 4309', set and cemented. An 8 ½ bit was run in the hole and cement, float and casing shoe was drilled along with an additional 10 feet of new formation to 4331 where a successful formation integrity test was run to 18 ppg EMW. The mud system was then converted to oil base invert and drilling of the hole continued with a PDC bit and directional BHA.

With the change to oil base mud, meaningful gas detection became possible because of the absence of air diluting the drilling fluid. While drilling ahead, gas increases were recorded from the various clastic zones that are sandwiched between bedded salt as follows:

Clastic # 2: Gas increased to 230 units at 4415' to 4440' from black shale and fractured light gray dolomite. The chromatograph indicated the gas was methane. Mud wt. was 14.0 ppg.

Clastic #8: .At 5488' to 5498', gas increased to 396 units from black shale and dolomite. Mud weight was 14.0 ppg and methane was identified.

Clastic # 9: A gas increase to 182 units from black shale and dolomite was recorded from 5684' to 5696. Methane was present and mud weight was 14.0 ppg.

Clastic #10: At 5786' to 5794', gas increased to 122 units from black shale.

Clastic #12: A gas increase to 642 units was recorded from 5976'to 5992'. The lithology consisted of black shale and dolomite. Methane, ethane and propane gases were present. Mud weight was 14.0 ppg. Mud weight was 14.0 ppg.

Clastic #16: Gas increased to 851 units at 6365' to 6400' from black shale, dolomite and fractured potash salt. Methane, ethane and propane gases were indicated by the chromatograph. After drilling this zone background gas remained high at 250 units, slowly decreasing to 100 units or less at 7100'.

Clastic #18-19: At 6876' to 6884' a 311 unit gas increase was recorded from dolomite and black, organic shale. Mud wt was 14.0 ppg

CANE CREEK SHALE 7665' md, 7398' tvd

The Cane Creek Shale is divided into three zones termed A, B and C. The A zone comprises the upper one third of the Cane Creek Shale and is composed of alternating thin beds of anhydrite, black shale and dolomite. Anhydrite tends to predominate towards the top of this interval.

The B zone is composed of black, radioactive, carbonaceous, shale and light to medium gray, dolomite. This is the predominate lithology in the middle one third of the Cane Creek and is the principal productive interval in the Cane Creek.

The C zone comprises the lower one third of the Cane Creek and is generally dominated by anhydrite and dolomite with some thin organic black shale.

Drilling ahead the top of the Cane Creek was penetrated at 7665' md, 7398' tvd. The hole inclination at this depth was 74 degrees. While drilling through the upper Cane Creek A zone, back ground gas varied from 150 to 180 units. Gas increases were identified as generally coming from black organic shales and associated dolomite. Landing with a hole inclination of 78 degrees was at 7750' in the A zone. The curve BHA was tripped out of the hole and electric logs were run from the base of intermediate casing at 4309' to 7448' which was the maximum depth possible due to the inclination of the hole. Both a Triple combo and OBMI-Sonic Scanner were run. A cement bond log was run from base of casing to the surface.

HORIZONTAL LATERAL

A lateral BHA with an ipzig gamma tool to record near bit gamma information was run in the hole and the Cane Creek Shale section was logged with the ipzig gamma tool prior to drilling ahead. Drilling continued forward through the A1 "warm" shale and B1 "hot" shale and into the B zone target dolomite at 7996'. Gas varied from 554 to 338 units. Mud weight varied from 14.3 to 14.2 ppg.

The well path followed the northward dipping B dolomite zone to 8250' where the dip flattened and background gas increased from 100 to 250 units. Gas increased to 866 units at 8325' and black shale was present in the samples along with a rare amount of calcite fracture fill. At 8470' gas increased to 2133 units then decreased to a steady background of 250 units. Lithology was 100% dolomite and the dip and hole inclination was essentially flat at 90 + degrees. At 8830' a 6 foot thick, low gamma reading

indicated either salt or anhydrite and a probable fault. Samples of the interval contained scattered pieces of salt. High gamma reading to 180 cps from 8836' to 8874' indicated B1 black shale based on its stratigraphic position above light gray dolomite indicative of the B zone target dolomite. Gas increased to 1700 units and appears to have been generated by drilling the black organic shale.

Drilling forward in the B zone target dolomite the formation dip steepened and the hole inclination followed at 86 to 78 degrees. An anhydrite gamma signature and anhydrite samples were logged at 9270' to 9304' and at 9340 salt was encountered. Due to drilling into this faulted zone, determining stratigraphic position became a guessing game. By drilling forward and steeping the hole inclination in excess of formation dip, it was determined that the bit was drilling below the base of the Cane Creek Formation. As a result, the BHA was pulled back to 8806' to drill open hole Sidetrack #1.

HORIZONTAL SIDETRACK #1

Sidetrack #1 kicked off at 8824'drilled through the fault zone at 8830' and into the B zone target dolomite. Drilling forward at 90 deg. hole inclination, the bit drilled through the overlying B1 shale, A1 shale, a 40 thick salt zone, the remainder of the A zone and out the top of the Cane Creek and into Salt #21. Background gas was steady at 200 units, increasing to 600 to 1200 units in the area of the A1 shale. Salt #21 was drilled from 9478' to 9750'. Hole inclination upon re-entering the top of the Cane Creek was 83 degrees. The A zone was drilled and the A1 shale. Gas increased from the background 200 units to 400-600 units as black shale's were drilled. As drilling proceeded the bit became somewhat locked into the interval between the A and B shale's. Lithology was mostly dolomite with 5 to 20% black shale. The interval from 10490'to 11,037' total depth had a background gas of 600 units with scattered gas increases of over 1000 units. Bit inclination over this interval was 77 degrees which parallel formation dip. An increase in bit inclination from 77 to 73 degrees finally allowed the bit to drill deeper stratigraphically and the underlying B1 shale was finally penetrated at 11,000'

Due to the poor shows in both laterals it was decided to try once more with another open hole sidetrack to get into the target dolomite zone and obtain a better evaluation of the area.

HORIZONTAL SIDETRACK #2

Sidetrack #2 time drilled from 8580' to 8596'in order to kick off this 2nd open hole sidetrack in the B zone target dolomite. Drilling forward at 87 deg. hole inclination near the base of the B zone the upper part of the C 1 anhydrite was drilled from 8870' to 8810'. A fault zone containing salt was drilled from 8810' to 8840'. Drilling forward in the B zone target dolomite a 2430 unit gas increase at 9090' caused the flow to be diverted through the gas buster and the MPD system. Gas remained elevated at 1400 to 2000+ units to 9500'. At 9500' to 9890' gas was 1200 units to 1000 units. Gas increased to 1500 units and then to 3600 units from 9890 to 10003 where the well kicked and a 5 bbl gain was noted. Drilling was halted to circulate out gas and raise the mud weight from 14.3 to 15.3. A 25'+ flare above the flare stack was noted by the wellsite geologist. MPD pressure held on the well head varied from 800 to 460 psi.

Gas continued to remain high as drilling resumed with 3000 to 4000 units of gas and 5' to 15' flares. At 10,031' it was again necessary to pull off bottom and raise the mud wt. to 15.3 and then to 15.6/15.8 to control the well. Gas continued to remain above 2500 units to 3500 units along with a constant flare

while drilling ahead in the B zone dolomite to 10,570'. MPD pressure held on the well averaged 300 psi. At this point mud weight of 15.8 began to take effect and gas declined to the 2000 unit range. From 10,840' to 11,050' gas again increased to the 3000 unit range with a small flare. Gas remained in the 2000+ unit range for the remainder of the lateral to total depth of 11,405'.

CONCLUSION

Three laterals were drilled through the Cane Creek Shale, in the same direction and very close to each other. The third one drilled, Sidetrack #2 encountered oil filled fractures and stayed in the optimum stratigraphic unit for production, the B zone dolomite. At this point it is speculation to determine the production potential of this lateral but indications are that it will be commercial.

A conclusion one can draw from this well is that fractures are not predictable at this point in the development of the field. By continuing to probe with an additional lateral when the first two were disappointing and having success, sends a message that one or two laterals in an area does not condemn an area. Wells should be permitted to include multiple laterals in various directions and inclination so that fractures can be found and exploited by the drill bit.

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303-919-7822 cell

Formation Tops Fidelity CCU#32-1-25-20H

FORMATION	Florestion VB	5251'	F 2F1!	5251'		
Depth Subsea Sample top Subsea Chinle 138 5,113 n/a	Elevation KB		5,251'	3231		
Moenkopi 413' 4,838' n/a Cutler 813' 4,438' n/a Honaker Trail 2,263' 2,988' 2,426' 2,825 Paradox Formation 3,763' 1,488' n/a n/a Salt 1 3,948' 1,303' 4,008' 1,243 Clastic 1 4,198' 1,053' 4,985' 966' Intermediate Casing Pt 4,308' 943' 4,309' 942' Clastic 2 4,393' 858' 4,362' 869' Salt 3 4,453' 798' 4,668' 643' Salt 4 4,602' 609' 4,643' 608' Clastic 3 4,607' 644' 4,608' 643' Salt 4 4,642' 609' 4,643' 608' Clastic 4 4,757' 494' 4,757' 494' Salt 5 5,89' 162' 5,089' 162' Salt 6 5,109' 52' 5,208' 43' <				Sample top	Subsea	
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OPERATOR:

FIDELITY EXPLORATION & PRODUCTION CO.

ADDRESS:

1801 California St., Suite 2500, Denver, CO. 80202

WELL NAME:

CANE CREEK UNIT # 32-1-25-20H

API#:

43-019-50049

SURFACE LOCATION:

451' FSL & 2297' FEL,

SW/SE SEC 32, T25S, R20E

FIELD:

Cane Creek Unit

COUNTY. STATE

Grand, Utah

BASIN:

Paradox

WELL TYPE:

Development

BASIS OF PROSPECT:

Proximity to Cane Creek oil production

ELEVATION:

GL: 5228', KB: 5251' (UnGraded)

SPUD DATE

June 28, 2014

TD DATE:

July 25, 2014

HORIZONTAL TARGET:

Paradox, Cane Creek Shale

KICK-OFF POINT:

6800' md, 6799' tvd

TOTAL DEPTH:

11,405' md, 7855.86' tvd

TVD AT TD:

7855.86'

BOTTOM HOLE LOCATION:

857' FNL, 1084' FEL, SW NE SEC. 32, T25S, R20E

FINAL VERTICAL SECTION:

4152.56'

FINAL CLOSURE AZIMUTH:

16.98 deg

PROPOSED AZIMUTH:

14.89 deg.

TOTAL DRILLING DAYS

28

STATUS OF WELL:

Waiting Completion

CONTRACTOR:

Nabors Rig M40

TOOLPUSHER:

Shannon McDaniel, Brendon Evans

FIELD SUPERVISORS:

Paul Roberts, Sam Larado, Tucker Yancey, Marvin VanAllen

MUD COMPANY:

NOV Fluid Control

Eric Mascarenas, Paul McCracken, Clark Sievers, Mike Whitt

MUD TYPE:

Air/Mist, Water, Invert

WELLSITE GEOLOGISTS:

Hal Schmidt, Kent Roddy

MUDLOGGER:

Andrew Schmidt

PROSPECT GEOLOGIST:

Robert Flook, Dave Koval, Jen VanHolland, Chris Lang, Fidelity.

ROCK SAMPLING:

30' Lagged Samples

Two sets of dry sample cuts were collected.

DIRECTIONAL DRILLERS:

Pathfinder

Todd Bratten, Jacob Hofer

MWD:

Pathfinder

Stewart Robertson, Dustin Easley

CASING:

20" Conductor @ 128': 13 3/8" @ 1,090'

9 5/8" @ 4,309': 7" @ 11,405'

HOLE SIZE:

17 1/2" base 20" conductor 128' to 1090'

12 1/4" 1,090' to 4,321' 8 1/2" 4,321' to 11,405'

CORES and DST's:

None

WIRELINE/OPEN HOLE LOGS:

Triple Combo, OBMI/Sonic Scanner, 4460' to 7672' - Pilot Hole

CBL/GR, 4465' to 1201'

KEY WELL

Davis Oil Co. Skyline Unit #1, 1982

SE/NW Sec 5, T26S, R20E

<u>DAILY DRILLING SUMMARY</u> FIDELITY EXPLORATION AND PRODUCTION CANE CREEK UNIT # 32-1-25-20H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT#	Mud Losses	24 HR ACTIVITY	FORMATION
1	30-Jun	1,090'	0'	n/a	n/a	Nipple up BOP equipment and pressure test BOP. Pick up drill pipe, stand in derrick.	
2	1-Jul	1,090'	0,	2	0	Finish testing BOP. Pick up Hammer bit & BHA. TIH, blowing hole dry at ~625', RIH to 1018', blow hole dry. Rebuild air line from air jammers to standpipe. Drill cement and shoe to 1090'. Drill vertical section with air mist from 1090' to 2180'.	
3	2-Jul	2,180'	1,090'	2	0	Drill vertical section with air/mist from 2180' to 3430'.	Honaker
4	3-Jul	3,430'	1,250'	2	0	Drill vertical section with air/mist from 3430' to 3792'. Blow hole, TOOH, lay down air hammer & BHA. Pick up Tri-Cone/insert bit, mud motor & new BHA, TIH. Drill vertical section with aerated water from 3792' to 3962'.	Honaker
5	4-Jul	3,962'	542'	3	0	Drill with areated water from 3962' to 4321', Intermediate Casing Point, circulate, TOH to 3050', TIH, blow hole clean, TOOH for casing. Run 9 5/8" casing	Paradox
6	5-Jul	4,321'	359'	4	0	Cement 95/8" casing. Run Gyro, pressure test casing, Pick up drill pipe, rack in derrick. Pick up 81/2" Tri-Cone bit & BHA, pick up drill pipe, POOH racking stands in derrick, TIH	Cutler
7	6-Jul	4,321'	0'	4	0	TIH, drill cement and 10' formation from 4321' to 4331' with water, FIT test to 18.0 EMW. Change from water to OBM. TOOH, lay down bit & BHA. Pick up new PDC bit, BHA with directional tools/curve assembly, TIH. Drill from 4331' to 4370'	Paradox
8	7-Jul	4,370'	49'	5	0	Drill vertical section from 4370' to 5553' with OBM	Paradox
9	8-Jul	5,553'	1,183'	5	0	Drill vertical section from 5553' to 6800' with OBM. Drill curye section from 6800 to 6844' with OBM.	Paradox

<u>DAILY DRILLING SUMMARY</u> FIDELITY EXPLORATION AND PRODUCTION CANE CREEK UNIT # 32-1-25-20H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT#	Mud Losses	24 HR ACTIVITY	FORMATION	
10	9-Jul	6,844'	1,291'	5	0	Drill curve section from 6844' to 7433' with OBM	Paradox	
11	10-Jul	7,433'	589'	5	0	Drill curve section from 7433' to 7750', circulate, POOH to top of curve, TIH, circulate, TOOH for E-Logs	Paradox	
12	11-Jul	7,750'	0'	6	0	Rig up and run Schlumberger E-Logs, Triple combo & O Sonic. Rig and run CBL log, pick up bit & lateral BHA, TIH		
13	12-Jul	7,750'	951'	6	0	TIH, Re-log hole with Pzig gamma tool from 7424' to 7750'. Drill lateral from 7750' to 8701'	Paradox	
14	13-Jul	8,701'	785'	6	0	Drill lateral from 8701' to 9046', circulate and work on Pump #2. Drilling ahead from 9046' to 9486', rotating & sliding with surveys.	Paradox	
15	14-Jul	9,486'	539'	6	10	Drill lateral from 9486' to 9497', circulate, work on Pump #2. Drilling ahead from 9497' to 10025', circulate, work on Pump #2. Wait on decision to drill, POOH to 8808' work pipe, troughing before starting Sidetrack #1.	Paradox	
16	15-Jul	8,809'	466'	6	0	Time drill from 8808' to 8824' for Sidetrack #1. Drilling ahead from 8824' to 9228', sliding & rotating with surveys	Paradox	
17	16-Jul	9,228'	544'	6		Drill lateral, Sidetrack #1 from 9228' to 9920', sliding & rotating with surveys	Paradox	
18	17-Jul	9,920'	551'	6	0	Drill lateral Sidetrack #1 from 9920' to 10167', work on Pumps. Drill lateral from 10167' to 10740', sliding & rotating with surveys		
19	18-Jul	10,740'	18'	6	0	Drill lateral from 10740' to 11037', sliding & rotating with surveys. POOH to ~8500', begin troughing for Sidetrack #2. Time drill from 8580' to 8583'	Paradox	
20	19-Jul	8,583'	489'	6	18	Time drill from 8583' to 8596' for Sidetrack #2. Drilling ahead from 8596' to 8893', sliding and rotating with surveys	Paradox	
21	20-Jul	8,383'	589'	6	0	Drill lateral Sidetrack #2 from 8893' to 9182', work on pumps & repair stand pipe line. Drill lateral from 9182' to 9305', rotataing & sliding with surveys.	Paradox	
22	21-Jul	9,305'	405'	6	0	Drill lateral from 9305' to 10003', take gas kick of ~3900 units, circulate & raise mud weight from 14.3 to 15.2 ppg.	Paradox	
23	22-Jul	10,003'	517'	6	0	Drill lateral from 10003' to 10212', raising mud weight to 15.5 ppg, change rubber rotating head at 10212'. Drill lateral from 10212' to 10413'.	Paradox	
24	23-Jul	10,413'	446'	6	0	Drill lateral from 10413' to 10822', rotating & sliding with surveys.	Paradox	
25	24-Jul	10,822'	216'	6	0	Drill lateral from 10822' to 11400', rotating & sliding with surveys. Electrical problems on shakers, bypassed shaker with MSI gas detector, using Pason Total Gas detector from 11085' to 11196', when electrical problems are fixed.	Paradox	

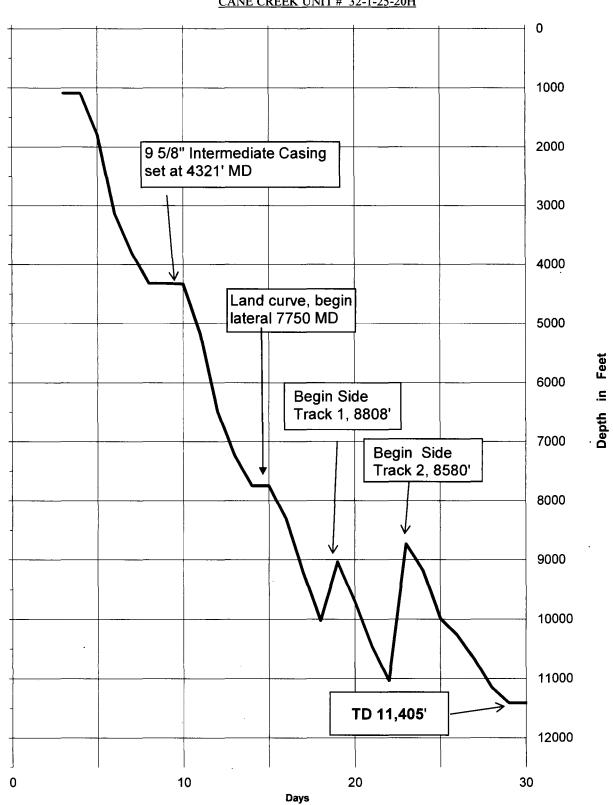
<u>DAILY DRILLING SUMMARY</u> FIDELITY EXPLORATION AND PRODUCTION CANE CREEK UNIT # 32-1-25-20H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT#	Mud Losses	24 HR ACTIVITY	FORMATION
26	25-Jul	11,250'	281'	6	0	Drill lateral from 1125' to 11405', TD ~14:20, 7/25. Circulate, change rubber rotating head. POOH to top of ST2 lateral kick off point ~8580', attempted to work pipe, mud motor failed, stripped out to 7700'.	Paradox
27	26-Jul	11,405'	0'	7	0.	At 7700' changed over to 18.0 ppg kill wt. mud, displace 15.8 mud in hole with KWM, trip out of hole, lay down lateral BHA, P. U. bit, new motor, MWD & BHA, TIH to 6490'.	Paradox
28	27-Jul	11,405'	0'	7	0	Continue TIH to 7700', displace 18 ppg KWM with 15.8 drilling mud. Trip in to 8580' work sidetrack area until drill string slides into correct hole.	Paradox
29	28-Jul	11,405'	0'	7	0	Trip in hole to bottom, circ. hole clean, trip gas 3890 units w/15-25' flare, change out failed rotating rubber, circulate out downtime gas of 4000 units w/5' flare. Raise mud wt. to 16.3+, trip out to 7700' racking back stds, displace hole with 18 ppg kill wt mud, trip out laying down drill pipe.	Paradox
30	29-Jul	11,405'	0'	7	0	Trip out of hole, laying down drill pipe, lay down directional tools, make up bit, bit sub, TIH with rest of drill pipe, trip out laying down drill pipe, pull wear bushing, rig up casing tongs and equipment.	Paradox
31	30-Jul	11,405'	0'	7	0	Run 7" casing, rig down casers. Circulate casing on bottom, displace 18.0 ppg mud with 16.3 ppg mud.	Paradox
32	31-Jul	11,405	0'	7	0	Finish displacing 18.0 ppg mud. Rig up cementers, Cement 7" casing in hole, Geologists released	Paradox

Feet Per Day
Fidelity Exploration Production Co
Cane Creek Unit 32-1-25-20H

Date	Day	Depth 12am	Footage
6/30/2014	. 1	1090	0
7/1/2014	. 2	1090	0
7/2/2014	. 3	1792	702
7/3/2014	4	3136	1344
7/4/2014	- 5	3802	666
7/5/2014	6	4321	519
7/6/2014	. 7	4321	0
7/7/2014	. 8	4331	10
7/8/2014	9	5170	839
7/9/2014	10	6483	1313
7/10/2014	11	7240	757
7/11/2014	12	7750	510
7/12/2014	13	7750	0
7/13/2014	14	8306	556
7/14/2014	15	9213	907
7/15/2014	16	10025	812
7/16/2014	17	9035	-990
7/17/2014	18	9706	671
7/18/2014	19	10450	744
7/19/2014	20	11037	587
7/20/2014		8732	-2305
7/21/2014	22	9182	450
7/22/2014	23	9989	807
7/23/2014		10273	284
7/24/2014		10676	403
7/25/2014	26	11146	470
7/26/2014	27	11405	259
7/27/2014	28	11405	0
7/28/2014		11405	0
7/29/2014	30	11405	0
7/30/2014		11405	0
7/31/2014	32	11405	0

TIME VS DEPTH
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-20H



BIT RECORD FIDELITY EXPLORATION AND PRODUCTION CANE CREEK # 32-1-25-20H

FIDELITY EXPLORATION

OPERATOR: & PRODUCTION CO. CONTRACTOR: Nabors Rig M40

SPUD DATE

June 26, 2014

CANE CREEK UNIT # 32-1-

25-20H

RIG MAKE:

Loadmaster 142' 550K 1500 HP

26 JUNE. 2014

LOCATION: SW/SE SEC 32, T25S, R20E PUMPS:

2 H&H 1600 12"

TD DEPTH/ DATE: 11405'/ July 25, 2014

GROUND

LEVEL:

WELL NAME:

5,228' (meas. ungraded)

114057 25 JULY 2014

KELLY

BUSHING:

5,251' (meas. ungraded)

Bit #	Size	Make	Туре	Jets	Serial #	Depth In	Depth Out	Ftg	Hours	Ft/Hr	Vert. Dev.
1	17.5"	Numa	N125		209086	130'	1,090'	960'	14	5.7	0-1
2	12.25"	Numa	N125	11/11/11/11	211775	1,033'	3,792'	2,702'	34	36.0	0-1
3	12.25"	Reed	R40AP	20/20/20	D172977	3,792'	4,321'	529'	12	46.3	0-3
4	8.5"	Baker-Hughes	GX-C1V	22/22/22	5229416	4,321'	4,331'	10'	0.25	40.0	0-1
5	8.5"	Security	MMD64M	6 X 18	12148898	4,331'	7,750'	3,419'	65.5	72.6	4-78
6	8.5"	Security	MMD64M	6 X 18	12232820	7,750'	15,074'*	7324'*	226.5*	32.3	78-90
6 LAT	8.5"	Security	MMD64M	6 X 18	12232820	7750	10,025'	2,275'	lateral		78-90
6 ST1	8.5"	Security	MMD64M	6 X 18	12232820	8808	11,037'	2,229'	sidetrack #1		74-92
6 ST2	8.5"	Security	MMD64M	6 X 18	12232820	8580	11,405'	2,825'	sidetrack #2		75-89

^{*} Total footage, depth and hours of Bit #6 drilling 1 lateral and 2 side tracks

FIDELITY EXPLORATION AND PRODUCTION INVERT MUD REPORTS CANE CREEK UNIT # 32-1-25-20H

DATE 2014	DEPTH	flow Line Temp	wī	FV	PV	ΥР	GELS	API FILT	OIL/WATER	ELECTRIC STABILITY	CORRECTED SOLIDS	NaCl % wt	CaCl2 % wt	MgCl2 % wt	24 HOUR MUD LOSSES
6-Jul	4331	100	14.60	58	-36	16	12/21	2	86.8/13.2	808	30.20	0.30	37.4	1.30	0
7-Jul	4633	110	14.20	52	22	14	10/16	2	85.7/14.3	733	28.10	0.90	35.7	1.20	0
8-Jul	5975	115	14.00	46	25	15	12/18	2	86.6/13.4	840	27.00	0.30	36.00	2.60	0
9-Jul	6945	120	14.00	45	22	14	11/16	2	87.1/12.9	840	28.00	0.00	36.90	2.60	0
10-Jul	7715	125	14.00	45	23	14	11/16	2	86.4/13.6	844	28.00	1.80	35.00	2.50	0
11-Jul	7750	n/a	14.65	47	25	15	12/18	2	85.3/14.7	828	29.90	1.60	34.8	3.00	0
12-Jul	7904	125	14.20	45	25	13	10/16	2	85.7/14.3	744	27.90	1.90	34.7	3.00	0
13-Jul	9047	135	14.00	46	28	14	12/19	2	85.7/14.3	718	27.90	1.60	35.8	2.40	0
14-Jul	9870	120	14.00	45	25	14	10/16	2	84.5/15.5	630	27.00	2.50	32.9	1.70	0
15-Jul	8,822	122	14.00	45	27	14	9/15	2	83.1/16.9	600	26.90	3.10	31.3	1.60	86
16-Jul	9442	136	14.00	45	28	13	10/13	2	83.1/16.9	576	26.30	1.90	34.8	4.20	0
17-Jul	10167	136	13.95	47	29	14	10/13	2	83.1/16.9	538	26.50	2.20	33.80	3.10	0
18-Jul	10998	135	14.00	47	28	14	10/13	2	82.5/17.5	578	25.80	2.50	32.8	4.10	0
19-Jul	8595	136	14.20	46	29	13	10/13	2	82.9/17.1	557	27.70	3.00	31.6	2.60	151
20-Jul	9182	136	14.25	46	30	13	10/13	2	82.1/17.9	525	27.30	2.20	33.8	3.60	0
21-Jul	9708	136	14.25	47	32	15	10/14	2	81.4/18.6	520	27.20	2.10	34.1	4.10	0
22-Jul	10144	130	15.60	50	34	20	11/16	2	83.8/16.2	634	32.90	1.90	34.5	2.30	0
23-Jul	10561	138	15.80	55	36	23	12/16	2	84.4/15.6	641	33.80	1.50	36.2	3.00	0
24-Jul	10999	138	15.80	56	40	25	13/18	2	85.2/14.8	605	34.10	1.40	36.4	0.60	0
25-Jul	11405	139	15.80	55	40	25	14/18	2	84.5/15.5	585	33.30	2.30	33.6	3.70	0
26-Jul	11405	n/a	16.10	56	41	24	13/17	2	84.9/15.1	635	34.80	1.80	34.9	3.80	0
27-Jul	11405	n/a	15.90	58	41	23	13/17	2	85/15	640	34.30	1.80	34.9	3.80	0
29-Jul	11405	n/a	16.40	63	44	23	13/17	2	84.7/15.3	674	36.10	2.00	34.5	2.60	o

FIDELITY EXPLORATION AND PRODUCTION DISTRIBUTION CANE CREEK UNIT # 32-1-25-20H

DISTRIBUTION	Geological Report	Final Mud Log prints	Digital mud log	Well Cuttings
Fidelity Exploration and Production Co. Jenifer Van Holland Geologist 1801 California St., Ste. 2500 Denver, CO 80202	1	1	1	0
Fidelity Exploration and Production Co. Bob Flook Geologist 1801 California St., Ste. 2500 Denver, CO 80202	1	. 1	1	0
Fidelity Exploration and Production Co. Dave Koval Geologist 1801 California St., Ste. 2500 Denver, CO 80202	1	1	. 1	1
State of Utah Division of Oil, Gas & Mining P.O. Box 145801 1594 W. Temple St., Ste. 1210 Salt Lake City, UT 84114-5801	1	. 0	1	1
Bureau of Land Management Moab Field Office 82 E. Dogwood Moab, UT 84532	1	0	0	0

Sundry Number: 55123 API Well Number: 43019500490000

	STATE OF UTAH		FORM 9
I	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49667
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.	y deepen existing wells below contal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Cane Creek 32-1-25-20
2. NAME OF OPERATOR: FIDELITY E&P COMPANY			9. API NUMBER: 43019500490000
3. ADDRESS OF OPERATOR: 1801 California St. Ste 250	0 , Denver, CO, 80202	PHONE NUMBER: 713 351-1968 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0452 FSL 2312 FEL			COUNTY: GRAND
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 32 Township: 25.0S Range: 20.0E Mer	ridian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
8/25/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Cane Creek 32-	COMPLETED OPERATIONS. Clearly show	on on 8/25/14. 190 BO	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2014
NAME (PLEASE PRINT) Sandi Stocker	PHONE NUN 720 931-9637	IBER TITLE Engineering Tech	
SIGNATURE	120 331-3031	DATE	
N/A		9/3/2014	

Sundry Number: 55716 API Well Number: 43019500490000

	FORM 9				
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49667				
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for pro- current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Cane Creek 32-1-25-20				
2. NAME OF OPERATOR: FIDELITY E&P COMPANY	9. API NUMBER: 43019500490000				
3. ADDRESS OF OPERATOR: 1801 California St. Ste 250		PHONE NUMBER: 713 351-1968 Ext	9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: GRAND		
0452 FSL 2312 FEL QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSE Section: 3	HIP, RANGE, MERIDIAN: 32 Township: 25.0S Range: 20.0E Meridia	n: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
NOTICE OF INTENT Approximate date work will start: 9/24/2014 SUBSEQUENT REPORT Date of Work Completion: DRILLING REPORT Report Date: 12. DESCRIBE PROPOSED OR Fidelity is submit system on the Can conventional beam evaluating the effet Preliminary learning on some units are long term lift methot visual impact of 21 limiting the visual	Accepted by the Utah Division of Oil, Gas and Mining Date: October 07, 2014 By:				
NAME (PLEASE PRINT) Sandi Stocker	PHONE NUMBE 720 931-9637	R TITLE Engineering Tech			
SIGNATURE N/A	120 331 3037	DATE 9/17/2014			

Sundry Number: 57068 API Well Number: 43019500490000

	FORM 9						
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49667						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Cane Creek 32-1-25-20						
2. NAME OF OPERATOR: FIDELITY E&P COMPANY	9. API NUMBER: 43019500490000						
3. ADDRESS OF OPERATOR: 1801 California St. Ste 250	0 , Denver, CO, 80202	PHONE NUMBER: 713 351-1968 Ext	9. FIELD and POOL or WILDCAT: WILDCAT				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0452 FSL 2312 FEL			COUNTY: GRAND				
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSE Section: 3	ian: S	STATE: UTAH					
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
10/27/2014							
	☐ ☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION				
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	L TEMPORARY ABANDON				
DRILLING REPORT	TUBING REPAIR	VENT OR FLARE	✓ WATER DISPOSAL				
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
Produced water go Fidelity-operated k Danis	COMPLETED OPERATIONS. Clearly show a enerated from this well is dis Kane Springs 16-1 injection with Sh Flats facility in Grand Cou	sposed of either at the well or the commercial nty, Utah.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 29, 2014				
NAME (PLEASE PRINT) Sandi Stocker	PHONE NUMB 720 931-9637	ER TITLE Engineering Tech					
SIGNATURE N/A		DATE 10/27/2014					

Sundry Number: 58752 API Well Number: 43019500490000 STATE OF UTAH AMENDED REPORT FORM 8 (highlight changes) DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5, LEASE DESIGNATION AND SERIAL NUMBER: ML-49667 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL: 7, UNIT or CA AGREEMENT NAME OIL V OTHER 8. WELL NAME and NUMBER: b. TYPE OF WORK: HORIZ. WEW DEEP-RE-ENTRY DIFF. RESVR. Cane Creek 32-1-25-20 OTHER 9. API NUMBER: 2. NAME OF OPERATOR: Fidelity E&P Company 4301950049 3. ADDRESS OF OPERATOR: PHONE NUMBER: 10 FIELD AND POOL, OR WILDCAT Wildcat (303) 893-3133 1801 California St,STE аспу Denver STATE CO ZIP 80202 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 451' FSL 2297' FEL SWSE 32 25S 20E S AT TOP PRODUCING INTERVAL REPORTED BELOW: 972' FSL 2162' FEL Sec 32 12, COUNTY AT TOTAL DEPTH: 877' FNL 1005' FEL Sec 32 UTAH Grand 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): ABANDONED READY TO PRODUCE 🗸 6/18/2014 8/24/2014 5231 21. DEPTH BRIDGE 18. TOTAL DEPTH: MD 11,405 19. PLUG BACK T.D.: MD 20. IF MULTIPLE COMPLETIONS, HOW MANY? MD PLUG SET: no TVD TVD 7,856 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) NO 🔽 WAS WELL CORED? YES (Submit analysis) WAS DST RUN? NO 🗸 YES (Submit report) DIRECTIONAL SURVEY? NO YES 🗸 (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER DEPTH SLURRY VOLUME (BBL) CEMENT TYPE & SIZE/GRADE WEIGHT (#/ft.) TOP (MD) BOTTOM (MD) CEMENT TOP ** AMOUNT PULLED HOLE SIZE NO, OF SACKS 21 20" J-55 133.0 0 110 Redim 0 54.5 27 27 1,078 270 17.5 J-55 13 3/8 Class f 12 1/4 9 5/8 P116 47 26 4.309 Class 422 28 8 1/2 32 32 11,393 565 P116 Class @ 25 THRING RECORD DEPTH SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) SIZE 2 7/8" 7,750 6,741 27. PERFORATION RECORD 26. PRODUCING INTERVALS BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO. HOLES PERFORATION STATUS FORMATION NAME TOP (MD) BOTTOM (MD) TOP (TVD) 7.398 7,750 7,835 16,900 7,750 11,310 .35 (A) CANE CREEK 11,310 Орел Squeezed (B) Open Squeezed (C) Open Squeezed (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. YES NO 🗸 WAS WELL HYDRAULICALLY FRACTURED? IF YES -- DATE FRACTURED:

PACKER SET (MD) DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL 30, WELL STATUS: 29, ENGLOSED ATTACHMENTS: ELECTRICAL/MECHANICAL LOGS ✓ DIRECTIONAL SURVEY GEOLOGIC REPORT DST REPORT **Testing** SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS (CONTINUED ON BACK) (5/2013)

RECEIVED: Jan. 26, 2015

31. INITIAL PRO	DDUCTION					INTE	ERVAL A (As sho	wn in item #26)						
DATE FIRST PRODUCED:		(J 772 V 1994	TEST DATE: 8/21/2014		HOURS TESTED: 656		TEST PRODUCTION RATES: →	ON OIL-BBL: 120		GAS – MCF: 1	WATER -		PROD. METHOD: flowing	
CHOKE SIZE:	TBG. PRES		CSG. PRESS. API GRAVITY		BTU – GAS	GAS/OIL RATIO 0	24 HR PRODUCTIO RATES: →	N OIL	L – BBL: 20	GAS – MCF: 1		WATER - BBL: INTER 45 fl		
						INTE	ERVAL B (As sho	vn in item #26)						
DATE FIRST PR	ODUCED:	TES	TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:		GAS - MCF:	GAS - MCF: WATER -		BBL: PROD. METHOD:	
CHOKE SIZE:	CHOKE SIZE: TBG. PRESS. CSG. PRESS. API GRAVITY I			BTU – GAS GAS/OIL RATIO 24 HR PRODUCTIO RATES; →			N OIL	L – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:		
						INTE	ERVAL C (As sho	vn in item #26)						
DATE FIRST PR	ODUCED:	TES	TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	Committee and a second of the		GAS - MCF:	WATER - BBL:		PROD. METHOD:	
CHOKE SIZE:	TBG. PRES	s. csg	PRESS.	API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →		L – BBL:	GAS - MCF:	WATER - BBL:		INTERVAL STATUS:
						INTE	ERVAL D (As sho	wn In item #26)						
DATE FIRST PR	RODUCED:	TES	TEST DATE:		HOURS TESTED:		TEST PRODUCTION OIL – BB RATES: →		L – BBL:	GAS - MCF:	WATER - BBL:		PROD. METHOD:	
CHOKE SIZE:	TBG. PRES	s. csg	, PRESS.	API GR	AVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	ION OIL - BBL:		GAS – MCF:	WATER-	-BBL:	INTERVAL STATUS:
32. DISPOSITIO	ON OF GAS (S	Sold, Used	for Fuel, Ve	nted, Etc	:.)									de contractor de la con
33. SUMMARY	OF POROUS	ZONES (In	clude Aquif	ers):					34. F	ORMATION (Log) MARKERS:			
Show all importa cushion used, tir						ils and all drill-stem ies.	tests, including de	pth interval tested,						
Formation Top Bottom (MD) (MD)			Descriptions, Contents, etc.			Name			Top (Measured Depth)					
Clastic 12		5,962	2 5,9	995	SH/A	ANHY/DOL/	SILT		Мо	enkopi			0	
Clastic 18	-	6,865	6,8	380	SH/A	ANHY/DOL/	SILT		Cutler			398		
Clastic 19		6,888	8 6,9	6,910 SH/ANHY/DOL/SILT				Honaker Trail				2,113		
Cane Creek 7,670							Paradox				3,756			
													ŀ	
			- 1											
			- 1										li l	
35. ADDITIONA	L REMARKS	(include p	lugging pro	cedure)	•									
36. I hereby ce	rtify that the f	foregoing a	and attache	d informa	ation is c	omplete and corre	ect as determined	from all available re	cords.					
NAME (PLEAS	SE PRINT) R	lenee k	Kendric	</td <td></td> <td></td> <td></td> <td>_ TITLE Env</td> <td>iron</td> <td>mental F</td> <td>Project Spec</td> <td>cialist</td> <td></td> <td></td>				_ TITLE Env	iron	mental F	Project Spec	cialist		
SIGNATURE	V.	ene	ex	ex	roh	icol		12/	10/2	014				
 drillin 	nust be sub pleting or p ng horizont mpleting to	lugging a al lateral:	a new we s from an	ll É existin		bore •	significantly of	previously plugg deepening an ex carbon explorato	isting	well bore	below the prev			
* ITEM 20: S	how the nu	ımber of	completion	ons if p	roducti	on is measure	d separately fr	om two or more	forma	ations.				
** ITEM 24 · C	Cement Tor	- Show	how repo	rted to	o(s) of c	cement were de	etermined (circ	ulated (CIR) cal	culate	ed (CAL), d	cement bond to	a (CBL), t	emper	ature survey (TS)

Send to:

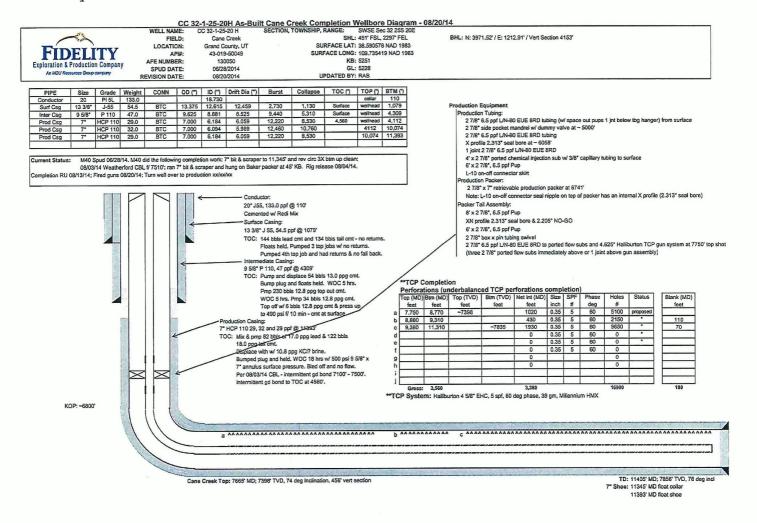
Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

Sundry Number: 58752 API Well Number: 43019500490000



CC 32-1-25-20H As_Built WBD 082014

10/8/2014; 11:04 AM

Sundry Number: 58752 API Well Number: 43019500490000

PathFinder – a Schlumberger company Survey Report Page 01,06 Tie-in Date: 07,07/2014 Date Completed: 08,04/2014

API#: 43-019-50049 Rig: NABORS M40
PathFinder Office Supervisor: DAN HARWELL
PathFinder Field Engineers: S. ROBERTSON
E. SMITH

Survey Calculations by RX5 V6.05A using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:38.34.50.1060 N LON:109.44.7.5412 W
GRID Reference:NAD83 utah central Lambert
Ref GRID Coor: X: 2144903.1410 Y: 6656706.3090
North Aligned To:TRUE NORTH
Total Magnetic Correction: 10.60° EAST TO TRUE
Vertical Section Plane: 16.72
Survey Vert. Reference:5254.00° Rotary Table To Ground
Altitude:5231.00° Ground To MS L

ORIGIN OF WELL AT SURFACE.	/100ft) (F)
ORIGIN OF WELL AT SURFACE.	
0.00 0.00 0.00 -0.01 0.00 -0.00 0.00 S 0.00 E 0.01@ 136.88 (0.00
THE FOLLOWING ARE GYRODATA GYRO SURVEYS.	
100.00 0.38 130.53 99.99 100.00 -0.14 0.22 S 0.26 E 0.34@ 130.64 (0.00
	0.00
	0.15 0.00
	0.04 0.00
500.00 0.41 200.21 499.99 100.00 -2.08 1.93 S 0.83 W 2.10@ 203.20 (0.18 0.00
	0.04 0.00
	0.04 0.00
	0.10 0.00
900.00 0.29 205.12 899.98 100.00 -4.45 4.16 S 1.62 W 4.47@ 201.30 (0.00
	0.07
	0.19 0.00
	0.00
1300.00 0.45 229.68 1299.98 100.00 -5.67 5.04 S 2.91 W 5.82@ 209.95 (0.00
	0.16 0.00
	0.06
	0.00
1700.00 0.80 208.95 1699.95 100.00 -9.72 8.60 S 5.16 W 10.03@ 210.94 (0.05
	0.00
	0.16 0.00
	0.07 0.00
2100.00 0.91 204.52 2099.90 100.00 -16.22 14.54 S 7.96 W 16.58@ 208.69 (0.05
220.00	
2200.00 1.02 204.62 2199.88 100.00 -17.88 16.07 S 8.66 W 18.26@ 208.31 (0.11 0.00

Sundry Number: 58752 API Well Number: 43019500490000

PathFinder – a Schlumberger company Survey Report

FIDELITY E & P COMPANY
CANE CREEK 32-1-25-20 ST2
GRAND COUNTY, UTAH
API#: 43-019-50049 Rig: NABORS M40

GRAND COUNTY, UTAH Page 02,06
API#: 43-019-50049 Rig: NABORS M40

Measured	Incl	Drift	TVD	Course	Vertical	TOTAL		Closure		DLS	TEMP
Depth		Dir.		Length	Section	Rectangular Offsets		Dist Dir			
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg)	(dg/100ft)	(F)
2300.00	0.94	204.80	2299.87	100.00	-19.58	17.63 S	9.37 W	19.96@	208.00	0.08	0.00
2400.00	0.77	212.44	2399.86	100.00	-21.04	18.94 S	10.08 W	21.45@	208.02	0.20	0.00
2500.00	0.93	203.04	2499.85	100.00	-22.49	20.25 S	10.76 W	22.93@	207.97	0.21	0.00
2600.00	1.08	204.00	2599.83	100.00	-24.23	21.86 S	11.46 W	24.68@	207.66	0.15	0.00
2700.00	0.98	207.24	2699.82	100.00	-26.01	23.48 S	12.23 W	26.48@	207.52	0.12	0.00
2800.00	0.78	211.71	2799.80	100.00	-27.50	24.82 S	12.98 W	28.01@	207.61	0.21	0.00
2900.00	1.07	201.98	2899.79	100.00	-29.09	26.26 S	13.69 W	29.62@	207.53	0.33	0.00
3000.00	1.01	205.84	2999.77	100.00	-30.89	27.92 S	14.42 W	31.43@	207.31	0.09	0.00
3100.00	1.13	205.38	3099.76	100.00	-32.74	29.61 S	15.23 W	33.29@	207.22	0.12	0.00
3200.00	1.12	209.57	3199.74	100.00	-34.66	31.35 S	16.13 W	35.26 @	207.23	0.08	0.00
3300.00	0.97	203.71	3299.72	100.00	-36.46	32.97 S	16.96 W	37.08@	207.21	0.18	0.00
3400.00	0.88	209.22	3399.71	100.00	-38.05	34.42 S	17.67 W	38.69@	207.18	0.13	0.00
3500.00	0.82	214.05	3499.70	100.00	-39.48	35.68 S	18.45 W	40.17@	207.34	0.09	0.00
3600.00	0.71	214.55	3599.69	100.00	-40.75	36.79 S	19.20 W	41.49@	207.56	0.11	0.00
3700.00	0.87	214.28	3699.68	100.00	-42.07	37.92 S	19.98 W	42.86@	207.78	0.16	0.00
3800.00	0.83	212.68	3799.67	100.00	-43.49	39.16 S	20.80 W	44.34@	207.97	0.05	0.00
3900.00	0.83	215.41	3899.66	100.00	-44.87	40.36 S	21.61 W	45.78@	208.16	0.04	0.00
4000.00	1.11	216.25	3999.64	100.00	-46.47	41.73 S	22.60 W	47.46@	208.44	0.28	0.00
4100.00	2.40	243.90	4099.60	100.00	-48.80	43.43 S	25.05 W	50.14@	209.98	1.51	0.00
4200.00	3.92	240.95	4199.44	100.00	-52.68	46.01 S	29.92 W	54.89@	213.03	1.53	0.00
	ITO GYROD		URVEYS AT								
4225.00	4.10	239.74	4224.38	25.00	-53.94	46.88 S	31.44 W	56.45@	213.85	0.80	0.00
			INDER MWD								
4347.00	3.87	255.14	4346.09	122.00	-59.29	50.13 S	39.19 W	63.63@	218.01	0.89	104.64
4443.00	3.69	262.68	4441.88	96.00	-62.24	51.36 S	45.38 W	68.54@	221.47	0.55	115.48
4538.00	2.37	258.47	4536.74	95.00	-64.42	52.14 S	50.34 W	72.47@	223.99	1.41	129.94
4634.00	0.26	244.02	4632.71	96.00	-65.51	52.63 S	52.48 W	74.33@	224.92	2.21	137.17
4730.00	0.18	133.04	4728.71	96.00	-65.72	52.83 S	52.57 W	74.53@	224.86	0.38	129.94
4826.00	0.18	141.33	4824.71	96.00	-65.87	53.05 S	52.36 W	74.54@	224.62	0.03	140.78
4922.00	0.26	86.33	4920.71	96.00	-65.88	53.16 S	52.05 W	74.40 @	224.40	0.22	144.39

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PathFinder – a Schlumberger company Survey Report

FIDELITY E & P COMPANY
CANE CREEK 32-1-25-20 ST2
GRAND COUNTY, UTAH
API#: 43-019-50049 Rig: NABORS M40

GRAND COUNTY, UTAH Page 03,06
API#: 43-019-50049 Rig: NABORS M40

Measured	Incl	Drift	TVD	Course	Vertical	TOTAL		Closure		DLS	TEMP
Depth		Dir.		Length	Section	Rectangu	lar Offsets	Dist			
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg)	(dg/100ft)	(F)
5017.00	0.44	96.26	5015.71	95.00	-65.74	53.18 S	51.47 W	74.01@	224.06	0.20	144.39
5113.00	0.53	96.78	5111.71	96.00	-65.60	53.27 S	50.66 W	73.52 @	223.56	0.09	148.01
5209.00	0.62	70.29	5207.70	96.00	-65.21	53.15 S	49.73 W	72.79 @	223.10	0.29	144.39
5305.00	0.53	72.81	5303.70	96.00	-64.66	52.84 S	48.82 W	71.95@	222.73	0.10	148.01
5401.00	0.70	64.12	5399.69	96.00	-64.01	52.46 S	47.87 W	71.02@	222.38	0.20	148.01
5495.00	0.79	69.97	5493.68	94.00	-63.24	51.98 S	46.74 W	69.91@	221.96	0.13	151.62
5590.00	0.97	91.18	5588.67	95.00	-62.63	51.78 S	45.32 W	68.81@	221.20	0.39	151.62
5687.00	1.06	95.43	5685.66	97.00	-62.23	51.88 S	43.61 W	67.77@	220.05	0.12	151.62
5783.00	1.32	103.12	5781.64	96.00	-61.99	52.21 S	41.65 W	66.79@	218.58	0.32	151.62
5878.00	1.23	114.16	5876.61	95.00	-62.05	52.88 S	39.65 W	66.10@	216.87	0.27	151.62
5974.00	0.09	254.25	5972.61	96.00	-62.23	53.32 S	38.79 W	65.94@	216.03	1.36	144.39
6070.00	0.26	347.51	6068.61	96.00	-62.08	53.13 S	38.91 W	65.85@	216.21	0.29	137.17
6166.00	0.09	99.45	6164.61	96.00	-61.88	52.93 S	38.88 W	65.67@	216.30	0.32	148.01
6260.00	0.35	99.90	6258.61	94.00	-61.83	52.99 S	38.52 W	65.51@	216.02	0.28	148.01
6356.00	0.62	134.48	6354.60	96.00	-62.04	53.41 S	37.86 W	65.47@	215.34	0.40	148.01
6449.00	0.79	135.78	6447.60	93.00	-62.59	54.22 S	37.06 W	65.67@	214.35	0.18	151.62
6545.00	0.79	157.75	6543.59	96.00	-63.42	55.30 S	36.35 W	66.18@	213.31	0.31	151.62
6641.00	1.06	165.95	6639.57	96.00	-64.70	56.78 S	35.88 W	67.16 @	212.29	0.31	151.62
6735.00	1.58	171.62	6733.55	94.00	-66.62	58.90 S	35.48 W	68.76@	211.06	0.57	151.62
6799.00	0.62	161.79	6797.54	64.00	-67.70	60.11 S	35.24 W	69.68@	210.38	1.52	151.62
6831.00	3.08	16.55	6829.52	32.00	-66.99	59.45 S	34.94 W	68.96@	210.45	11.27	155.24
6863.00	6.86	13.36	6861.40	32.00	-64.22	56.76 S	34.26 W	66.30@	211.11	11.84	155.24
6895.00	9.94	13.14	6893.05	32.00	-59.55	52.21 S	33.19 W	61.87@	212.44	9.63	144.39
6927.00	12.66	14.49	6924.43	32.00	-53.29	46.13 S	31.68 W	55.96 @	214.48	8.54	151.62
6959.00	15.92	15.68	6955.43	32.00	-45.40	38.50 S	29.62 W	48.58@	217.57	10.23	151.62
6991.00	19.26	16.98	6985.93	32.00	-35.73	29.23 S	26.89 W	39.71@	222.61	10.51	151.62
7023.00	21.98	17.67	7015.88	32.00	-24.46	18.47 S	23.53 W	29.91@	231.87	8.53	151.62
7055.00	25.32	17.38	7045.19	32.00	-11.63	6.23 S	19.67 W	20.63@	252.42	10.44	155.24
7087.00	28.05	16.52	7073.78	32.00	2.74	7.51 N	15.48 W	17.21@	295.89	8.62	155.24
7119.00	30.51	16.16	7101.69	32.00	18.39	22.53 N	11.08 W	25.11@	333.81	7.71	155.24

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PathFinder – a Schlumberger company Survey Report

FIDELITY E & P COMPANY
CANE CREEK 32-1-25-20 ST2
GRAND COUNTY, UTAH
API#: 43-019-50049 Rig: NABORS M40

GRAND COUNTY, UTAH
Page 04,06
API#: 43-019-50049 Rig: NABORS M40

Measured	Incl	Drift	TVD	Course	Vertical			Closure		DLS	TEMP
Depth		Dir.		Length	Section		ılar Offsets	Dist			
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg)	(dg/100ft)	(F)
7151.00	33.85	16.55	7128.77	32.00	35.43	38.88 N	6.28 W	39.39@	350.82	10.46	155.24
7183.00	36.93	18.06	7154.85	32.00	53.96	56.57 N	0.76 W	56.57 @	359.23	10.00	155.24
7215.00	39.31	17.75	7180.02	32.00	73.71	75.37 N	5.31 E	75.55 @	4.03	7.46	155.24
7247.00	42.38	17.20	7204.23	32.00	94.63	95.33 N	11.59 E	96.03@	6.93	9.66	155.24
7279.00	45.99	16.82	7227.17	32.00	116.93	116.65 N	18.11 E	118.05@	8.83	11.31	155.24
7311.00	49.33	15.97	7248.72	32.00	140.58	139.34 N	24.78 E	141.53@	10.09	10.62	155.24
7343.00	52.76	15.31	7268.84	32.00	165.46	163.30 N	31.49 E	166.31@	10.91	10.84	155.24
7375.00	55.66	14.63	7287.55	32.00	191.40	188.37 N	38.19 E	192.21@	11.46	9.22	155.24
7407.00	58.65	14.25	7304.90	32.00	218.26	214.41 N	44.89 E	219.06@	11.83	9.40	158.85
7439.00	62.61	15.20	7320.60	32.00	246.12	241.37 N	51.98 E	246.91@	12.15	12.64	158.85
7503.00	68.85	15.75	7346.89	64.00	304.42	297.57 N	67.55 E	305.14@	12.79	9.78	158.85
7599.00	71.75	15.54	7379.25	96.00	394.78	384.59 N	91.92 E	395.43@	13.44	3.03	158.85
7631.00	72.46	16.35	7389.08	32.00	425.23	413.87 N	100.28 E	425.85@	13.62	3.27	158.85
7663.00	73.95	16.37	7398.33	32.00	455.86	443.27 N	108.91 E	456.45@	13.80	4.66	158.85
7695.00	76.77	16.54	7406.41	32.00	486.82	472.96 N	117.68 E	487.38@	13.97	8.83	162.46
7709.00	77.65	16.10	7409.51	14.00	500.47	486.06 N	121.52 E	501.02@	14.04	6.99	140.78
7805.00	78.96	15.97	7428.97	96.00	594.47	576.41 N	147.48 E	594.98@	14.35	1.37	151.62
7901.00	78.35	15.96	7447.86	96.00	688.58	666.90 N	173.37 E	689.07@	14.57	0.64	151.62
7995.00	80.28	15.21	7465.28	94.00	780.93	755.87 N	198.19 E	781.42@	14.69	2.20	155.24
8091.00	85.21	16.24	7477.40	96.00	876.12	847.51 N	223.99 E	876.61@	14.80	5.24	155.24
8187.00	84.86	14.78	7485.71	96.00	971.73	939.66 N	249.57 E	972.24@	14.87	1.56	158.85
8283.00	87.93	14.53	7491.75	96.00	1067.47	1032.34 N	273.80 E	1068.04@	14.85	3.21	158.85
8379.00	91.19	15.62	7492.49	96.00	1163.41	1125.02 N	298.77 E	1164.02@	14.87	3.58	158.85
8475.00	90.48	15.36	7491.09	96.00	1259.38	1217.52 N	324.40 E	1260.00@	14.92	0.79	158.85
8571.00	89.25	14.16	7491.31	96.00	1355.32	1310.35 N	348.86 E	1356.00@	14.91	1.79	158.85
				BORE AT 858							
8603.00	86.97	16.25	7492.37	32.00	1387.29	1341.21 N	357.25 E	1387.98@	14.92	9.66	158.85
8635.00	86.53	18.12	7494.18	32.00	1419.23	1371.73 N	366.69 E	1419.90@	14.97	5.99	162.46
8667.00	87.76	20.22	7495.78	32.00	1451.16	1401.92 N	377.18 E	1451.77@	15.06	7.60	162.46
8762.00	87.49	22.08	7499.71	95.00	1545.79	1490.44 N	411.43 E	1546.18 @	15.43	1.98	162.46

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PathFinder – a Schlumberger company Survey Report

FIDELITY E & P COMPANY
CANE CREEK 32-1-25-20 ST2
GRAND COUNTY, UTAH
API#: 43-019-50049 Rig: NABORS M40

Measured	Incl	Drift	TVD	Course	Vertical			Closure		DLS	TEMP
Depth		Dir.		Length	Section		ular Offsets	Dist			
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)	(F)
8858.00	88.20	22.70	7503.32	96.00	1641.25	1579.14 N	447.97 E	1641.45@	15.84	0.98	158.85
8954.00	88.90	25.58	7505.75	96.00	1736.41	1666.71 N	487.21 E	1736.46@	16.29	3.09	162.46
9050.00	86.70	24.86	7509.44	96.00	1831.28	1753.48 N	528.08 E	1831.28@	16.76	2.41	162.46
9145.00	84.06	20.89	7517.09	95.00	1925.40	1840.70 N	564.89 E	1925.43@	17.06	5.01	148.01
9239.00	84.42	22.38	7526.53	94.00	2018.57	1927.63 N	599.37 E	2018.67@	17.27	1.62	151.62
9335.00	85.38	20.48	7535.06	96.00	2113.87	2016.64 N	634.30 E	2114.04@	17.46	2.21	155.24
9430.00	85.21	20.32	7542.85	95.00	2208.35	2105.38 N	667.30 E	2208.60@	17.59	0.24	158.85
9526.00	85.21	21.27	7550.87	96.00	2303.77	2194.81 N	701.27 E	2304.12@	17.72	0.99	158.85
9622.00	85.47	22.33	7558.67	96.00	2399.08	2283.65 N	736.80 E	2399.57@	17.88	1.13	158.85
9718.00	85.21	22.74	7566.47	96.00	2494.27	2372.03 N	773.47 E	2494.95@	18.06	0.50	158.85
9814.00	83.62	19.12	7575.82	96.00	2589.53	2461.25 N	807.60 E	2590.36@	18.17	4.10	158.85
9910.00	85.82	16.85	7584.65	96.00	2685.09	2552.16 N	837.11 E	2685.94@	18.16	3.28	158.85
10005.00	85.12	16.10	7592.15	95.00	2779.79	2642.97 N	863.97 E	2780.60@	18.10	1.08	158.85
10101.00	83.54	16.04	7601.64	96.00	2875.31	2734.77 N	890.41 E	2876.07@	18.03	1.65	162.46
10197.00	80.81	16.06	7614.71	96.00	2970.40	2826.16 N	916.70 E	2971.11@	17.97	2.84	158.85
10293.00	79.05	15.36	7631.49	96.00	3064.91	2917.14 N	942.29 E	3065.56@	17.90	1.97	158.85
10389.00	78.70	16.47	7650.02	96.00	3159.09	3007.73 N	968.12 E	3159.70@	17.84	1.19	158.85
10484.00	78.96	15.36	7668.42	95.00	3252.28	3097.35 N	993.68 E	3252.85@	17.79	1.18	162.46
10580.00	81.34	13.15	7684.84	96.00	3346.77	3189.02 N	1016.96 E	3347.24@	17.69	3.36	162.46
10674.00	80.46	13.21	7699.71	94.00	3439.40	3279.39 N	1038.12 E	3439.78@	17.57	0.94	162.46
10770.00	79.84	13.12	7716.13	96.00	3533.81	3371.49 N	1059.66 E	3534.09@	17.45	0.65	158.85
10866.00	76.68	13.62	7735.66	96.00	3627.63	3462.92 N	1081.39 E	3627.84@	17.34	3.33	158.85
10961.00	75.45	13.46	7758.54	95.00	3719.69	3552.56 N	1102.98 E	3719.84@	17.25	1.30	158.85
11057.00	77.12	14.73	7781.30	96.00	3812.85	3643.01 N	1125.70 E	3812.96@	17.17	2.16	162.46
11153.00	76.94	14.48	7802.85	96.00	3906.33	3733.53 N	1149.28 E	3906.42@	17.11	0.32	158.85
11248.00	77.73	14.67	7823.68	95.00	3998.96	3823.24 N	1172.61 E	3999.02@	17.05	0.85	162.46
11339.00	78.35	15.42	7842.53	91.00	4087.94	3909.21 N	1195.72 E	4087.99@	17.01	1.05	158.85
STRA	IGHT-LINE P	ROJECTION	N TO BIT DEF	TH AT 11405	MD.						
11405.00	78.35	15.42	7855.86	66.00	4152.56	3971.52 N	1212.91 E	4152.61@	16.98	0.00	0.00

RECEIVED: Jan. 26, 2015

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PathFinder – a Schlumberger company Survey Report

FIDELITY E & P COMPANY
CANE CREEK 32-1-25-20 ST2
GRAND COUNTY, UTAH
API#: 43-019-50049 Rig: NABORS M40

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RECEIVED: Jan. 26, 2015

The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder - a Schlumberger company and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

3/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Fidelity E&P Company N3155 1801 Califorina Street, Suite 2500	Wesco Operating, Inc. N4030 PO Box 1650
Denver, CO 80202	Casper, WY 82602
CA Number(s):	Unit(s): Cane Creek
	Threemile

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

4/12/2016

2. Sundry or legal documentation was received from the **NEW** operator on:

4/12/2016

3. New operator Division of Corporations Business Number:

8742016-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

4/12/2016

2. Receipt of Acceptance of Drilling Procedures for APD on:

4/12/2016

3. Reports current for Production/Disposition & Sundries:

4/19/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

4/19/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

4/13/2016

6. Surface Facility(s) included in operator change:

Blue Hills Gas Plant

Dead House Lateral Pipeline Dubinky Booster Station

Long Canyon Facility

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UTB0000685

2. Indian well(s) covered by Bond Number:

N/A

3.State/fee well(s) covered by Bond Number(s):

RLB0016443

DATA ENTRY:

1. Well(s) update in the OGIS on:	4/21/2016
2. Entity Number(s) updated in OGIS on:	4/21/2016
3. Unit(s) operator number update in OGIS on:	4/21/2016
4. Surface Facilities update in OGIS on:	4/21/2016
5. State/Fee well(s) attached to bond(s) in RBDMS on:	4/21/2016
6. Surface Facilities update in RBDMS on:	4/21/2016

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

N/A

COMMENTS:

From: Fidelity Exploration Production Comany N3155 To: Wesco Operating, Inc. N4030 Effective: 3/1/2016

Effective: 3/1/2010	0 - 1:	773.0 (0.1	DNO	A DI Ni manana	Takita.	Minand	O4	T	Chatus	f Imia
Well Name	Section			API Numner	·		Surface	+		Unit
KANE SPRINGS 16-1	16			4301931341	11484	graduate to the contraction of t	State		ADD	CANE CREEK
CANE CREEK UNIT 2-2-25-18	2	250S		4301950044		State	State	OW	APD	CANE CREEK
Cane Creek Unit 25-1-25-19	25	250\$		4301950048			Federal		APD	CANE CREEK
Cane Creek Unit 6-1-25-19	6	250S	\$	4301950052	r		Federal		APD	CANE CREEK
Cane Creek Unit 29-1-25-19	29	250S		4301950053	.		Federal	OW	APD	CANE CREEK
Cane Creek 10-1-25-19	10	250\$		4301950054			Federal	OW	APD	OANE ODEEK
Cane Creek Unit 30-1-25-19	30		4	4301950055			Federal	OW	APD	CANE CREEK
Cane Creek Unit 19-2-26-20	19	260S		4301950056	÷ · · · · · · · · · · · · · · · · · · ·		Federal	OW	APD	CANE CREEK
Cane Creek Unit 14-1-25-19	14	250S		4301950057	<u> </u>	•	Federal		APD	CANE CREEK
Cane Creek Unit 2-3-25-18	2	250S		4301950058		Federal		OW	APD	CANE CREEK
Cane Creek Unit 16-3-25-18	16	250\$	+	4301950059	,	Federal		OW	APD	CANE CREEK
Cane Creek Unit 19-1-25-19	19	250S		4301950060			Federal		APD	CANE CREEK
Cane Creek Unit 32-2-25-19	32	250S		4301950061	i .	State	State	OW	APD	CANE CREEK
Cane Creek Unit 17-1-25-19	17		,	4301950062			Federal		APD	CANE CREEK
Cane Creek Unit 16-4-25-18	16			4301950063	-	Federal		OW	APD	CANE CREEK
Cane Creek Unit 2-4-25-18	2	250S		4301950064		Federal		OW	APD	CANE CREEK
Cane Creek Unit 5-1-25-18	5	250S		4301950065	:		Federal		APD	CANE CREEK
8-2-26-20	8		-	4301950068			Federal		APD	CANE CREEK
Cane Creek Unit 19-3-26-20	19			4301950069	·		Federal		APD	CANE CREEK
Cane Creek Unit 21-1-25-19	21	250S		4301950070		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 12-2-26-19	12		190E	4301950071			Federal	H	APD	CANE CREEK
Cane Creek Unit 26-4-25-19	26	250S	190E	4301950072		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 21-1-25-18	21	250S	180E	4301950073	: L	Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 9-1-25-18	9	250S	180E	4301950074		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 7-1-25-19	7	250S	190E	4301950075		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 5-2-25-18	5	250S	180E	4301950076		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 7-1-25-18	7	250S	180E	4301950077		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 13-1-25-18	13	250S	180E	4301950078		Federal	Federal	OW	APD	CANE CREEK
Three Mile Unti 12-3-29-21	12	290S	210E	4303750070		Federal	Federal	OW	APD	THREEMILE
Three Mile Unit 16-2-29-22	16	290S	220E	4303750071		Federal	State	OW	APD	THREEMILE
Cane Creek Unit 7-2-26-20	7	260S	200E	4301950051	19706	Federal	Federal	OW	OPS	CANE CREEK
THREEMILE 16-17	16	290S	220E	4303750003	17984	State	State	OW	OPS	THREEMILE
Three Mile Unit 12-2-29-21	12	290S	210E	4303750069	19646	Federal	Federal	OW	OPS	THREEMILE
KANE SPRINGS FED 27-1	27	250S	190E	4301931310	14505	Federal	Federal	OW	Р	CANE CREEK
KANE SPRINGS FED 19-1A	19	260S	200E	4301931324	14505	Federal	Federal	OW	Р	CANE CREEK
KANE SPRINGS FED 10-1	10	250S	180E	4301931331	14509	Federal	Federal	OW	Р	CANE CREEK
KANE SPRINGS FED 25-19-34-1	34	250S	190E	4301931334	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK 2-1	2	260S	190E	4301931396	14505	State	State	OW	Р	CANE CREEK
CANE CREEK UNIT 12-1	12	260S	190E	4301950009	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK UNIT 7-1	7	260S	200E	4301950010	18923	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK UNIT# 26-2	26	250S	190E	4301950011	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK UNIT #18-1	18	260S	200E	4301950012	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK U #13-1	13	260S	190E	4301950014	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK UNIT 26-3	26	250S	190E	4301950019	14505	Federal	Federal	OW	Р	CANE CREEK
CANE CREEK UNIT 28-2	28	250S	190E	4301950020	18681	Federal	Federal	OW	Р	
Cane Creek Unit 17-1	17	260S	200E	4301950028	18980	Federal	Federal	OW	Р	CANE CREEK
Cane Creek Unit 36-1	36	250S	190E	4301950030	14505	State	State	OW	Р	CANE CREEK
Cane Creek Unit 36-2H	36	250S	190E	4301950033	14505	State	State	OW	Р	CANE CREEK
Cane Creek Unit 24-2H	24			4301950034			· - ·		Р	CANE CREEK
Cane Creek Unit 36-3H	36			4301950035			State	OW	Р	CANE CREEK
CANE CREEK UNIT 2-1-25-18	2			4301950036				OW	P	CANE CREEK
Cane Creek Unit 32-1-25-19	32			4301950037			State	OW	P	
Cane Creek Unit 28-3	28			4301950045			·		P	CANE CREEK
Cane Creek 32-1-25-20	32			4301950049			State	OW	P	
HATCH POINT 1	14			4303731658					Р	
THREEMILE 43-18H	18			4303731857					P	
LONG CANYON 1	9	4		4301915925			Federal		S	
CANE CREEK 1-1	1			4301931446					S	CANE CREEK
	 									

From: Fidelity Exploration Production Comany N3155 To: Wesco Operating, Inc. N4030 Effective: 3/1/2016

CANE CREEK 24-1	24	260S	190E	4301931447	14505	Federal	Federal	OW	S	CANE CREEK
CANE CREEK 8-1	8	260S	200E	4301931449	16464	Federal	Federal	OW	S	CANE CREEK
Cane Creek Unit 18-2	18	260S	200E	4301950027	14505	Federal	Federal	OW	S	CANE CREEK
Cane Creek Unit 17-2	17	260S	200E	4301950032	14505	Federal	Federal	OW	S	CANE CREEK
Cane Creek 36-1-25-18	36	250S	180E	4301950038	19440	State	State	OW	S	-
CHEVRON FED 1	24	290S	230E	4303730005	975	Federal	Federal	OW	S	
Threemile 12-7	12	290S	210E	4303750001	17837	Federal	Federal	OW	S	THREEMILE
LA SAL 29-28	29	290S	230E	4303750002	17920	Federal	Federal	OW	S	
CANE CREEK UNIT 16-2-25-18	16	250S	180E	4301950046	19512	State	State	OW	TA	CANE CREEK

WESCO OPERATING, INC.

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APR 1 2 2016

DIV. OF OIL, GAS & MINING

April 8, 2016

John Rogers Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114

RE: Change of Operator

- A) Wells
- B) APD'S
- C) Dubinky Booster Station
- D) Blue Hills Gas Plant
- E) Dead Horse Lateral Pipeline
- F) Authority to Inject

Sundry Notices

Dear John Rodgers,

Please find enclosed the following documents from Fidelity Exploration & Production Company to Wesco Operating, Inc for your further handing. If you have any further questions please contact us.

Sincerely,

307-577-5337

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

		DIVISION OF OIL			SE DESIGNATION AND SERIAL NUMBER: Attached Exhibit						
	SUNDRY	Y NOTICES AN	ID REPORTS	ON WEL	LS	I	idian, allottee or tribe name: Attached Exhibit				
Do n	ot use this form for proposals to drill i drill horizontal I	new wells, significantly deeper	n existing wells below curren	nt bottom-hole dept	th, reenter plugged wells, or to		T or CA AGREEMENT NAME: Attached Exhibit				
	PE OF WELL OIL WELL		_	n for such proposa	15.	8. WEL	L NAME and NUMBER:				
2. NA	ME OF OPERATOR:					See Attached Exhibit 9. API NUMBER:					
Fid	elity Exploration & Pro	duction Company									
	DRESS OF OPERATOR: 1 California St., STE 2501 _{CIT}	_{TY} Denver	STATE CO ZIP 8	30202	PHONE NUMBER: (303) 893-3133		e Attached Exhibit				
	CATION OF WELL OTAGES AT SURFACE: See a	attached exhibit for	all wells and det	ails		COUNT	ry: Grand				
QT	R/QTR, SECTION, TOWNSHIP, RAI	.NGE, MERIDIAN:				STATE	: UTAH				
11.	CHECK APP	ROPRIATE BOXE	S TO INDICATE	NATURE	OF NOTICE, REPO	RT, O	R OTHER DATA				
T	YPE OF SUBMISSION			T	YPE OF ACTION						
V	NOTICE OF INTENT	ACIDIZE		DEEPEN			REPERFORATE CURRENT FORMATION				
	(Submit in Duplicate)	ALTER CASING	[FRACTURE			SIDETRACK TO REPAIR WELL				
	Approximate date work will start:	CASING REPAIR	[NEW CONS		님	TEMPORARILY ABANDON				
	3/1/2016	CHANGE TO PREV	IOUS PLANS [✓ OPERATOR → PLUG AND A		님	TUBING REPAIR VENT OR FLARE				
П	SUBSEQUENT REPORT	CHANGE WELL NA	L Me [PLUG BACK			WATER DISPOSAL				
	(Submit Original Form Only)	CHANGE WELL ST.		=	ON (START/RESUME)		WATER SHUT-OFF				
	Date of work completion:	12	DUCING FORMATIONS	_	ION OF WELL SITE	H	OTHER:				
		CONVERT WELL T		_	TE - DIFFERENT FORMATION	ш	OHER.				
	DESCRIBE PROPOSED OR C				-						
	ective March 1, 2016, I Is listed on the attache						signs as Operator of the Operator.				
P.C Cas	sco Operating, Inc. D. Box 1650 sper, Wyoming 82602 one 307-265-5178				Fidelity Exploration & 1801 California Stree Denver, Colorado & Phone 303-893-313	et, Sui 0202					
Rol	sco Operating, Inc. pert W. Kirkwood, Pres Mu M nature	sident									
NAME	(PLEASE PRINT) Darwin Su	ubart		TITL	Chief Financial O	fficer					
SIGNA	ature Däug	i hıları		DAT	4/4/20	16					
This sp	ace for State use only)	<i>₩</i> :		***							

APPROVED

Fidelity Exploration & Production Company Paradox Well & APD List

Entity#	<u>API #</u>	Permitted Well Name	AKA Well Name	<u>Township</u>	Range	Section(s)	County	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	Well Type	Well Status
14506	4301931310	KANE SPRINGS FED 27-1	KANE SPRINGS FED 27-1-25-19	25S	19E	27	GRAND	UT	Federal	Federal	ow	P~
14505		KANE SPRINGS FED 19-1A	KANE SPRINGS FED 19-1A-ST-26-20	26S	20E	19	GRAND	UT	Federal	Federal	ow	P~
14509	4301931331	KANE SPRINGS FED 10-1	KANE SPRINGS FED 10-1-25-18	25S	18E	10	GRAND	UT	Federal	Federal	ow	P✓
14506	4301931334	KANE SPRINGS FED 25-19-34-1	KANE SPRINGS FED 25-19-34-1	25S	19E	34	GRAND	UT	Federal	Federal	ow	P∽
	4301931341	KANE SPRINGS 16-1-25-18	Disposal Well	25S	18E	16	GRAND	UT	State	State	SWD	P✓
14505	4301931396	CANE CREEK 2-1	CANE CREEK UNIT 2-1-26-19	26S	19E	2	GRAND	UT	State	State	ow	P✓
14505	4301931446	CANE CREEK 1-1	CANE CREEK UNIT 1-1-26-19	26S	19E	1	GRAND	UT	Federal	Federal	OW	P✓
14505	4301950009	CANE CREEK UNIT 12-1	CANE CREEK UNIT 12-1-26-19	26S	19E	12	GRAND	UT	Federal	Federal	OW	p V
18923	4301950010	CANE CREEK UNIT 7-1	CANE CREEK UNIT 7-1-26-20	26S	20E	7	GRAND	UT	Federal	Federal	OW	P 🗸
14506		CANE CREEK UNIT# 26-2	CANE CREEK UNIT 26-2-25-19	25S	19E	26	GRAND	UT	Federal	Federal	OW	P
14505		CANE CREEK UNIT #18-1	CANE CREEK UNIT 18-1-26-20	26S	20E	18	GRAND	UT	Federal	Federal	OW	P
14505		CANE CREEK U #13-1	CANE CREEK UNIT 13-1-26-19	26S	19E	13	GRAND	UT	Federal	Federal	ow ow	P v P v
14506		CANE CREEK UNIT 26-3	CANE CREEK UNIT 26-3-25-19	25S	19E	26	GRAND	UT UT	Federal	Federal	ow	PV
18681		CANE CREEK UNIT 28-2	CANE CREEK UNIT 28-2-25-19	25S	19E	28	GRAND	UT	Federal Federal	Federal Federal	OW	P⊌
14505		Cane Creek Unit 18-2	CANE CREEK UNIT 18-2-26-20	26S 26S	20E 20E	18 17	GRAND GRAND	UT	Federal	Federal	OW :	P✓
18980		Cane Creek Unit 17-1	CANE CREEK UNIT 17-1-26-20	26S 25S	20E 19E	36	GRAND	UT	State	State	OW	Pv
19057		Cane Creek Unit 36-1	CANE CREEK UNIT 36-1-25-19 CANE CREEK UNIT 17-2-26-20	26S	20E	17	GRAND	UT	Federal	Federal	ow	Pv
14505 19527		Cane Creek Unit 17-2 Cane Creek Unit 36-2H	CANE CREEK UNIT 36-2H-25-19	25S	19E	36	GRAND	UT	State	State	ow	P✓
19342		Cane Creek Unit 24-2H	CANE CREEK UNIT 24-2-26-19	26S	19E	24	GRAND	UT	Federal	Federal	ow	P✓
19542		Cane Creek Unit 36-3H	CANE CREEK UNIT 36-3H-25-19	25S	19E	36	GRAND	UT	State	State	ow	P ✓
19396		Cane Creek Unit 32-1-25-19	CANE CREEK UNIT 32-1-25-19	25S	19E	32	GRAND	UT	State	State	ow	P✓
19767		Cane Creek Unit 28-3	CANE CREEK UNIT 28-3-25-19	26S	19E	28	GRAND	UT	Federal	Federal	ow	P.
19588		Cane Creek 32-1-25-20	CANE CREEK 32-1-25-20	25S	20E	32	GRAND	UT	State	State	ow	Pv
11356		HATCH POINT 1	HATCH POINT FEDERAL 1	29\$	21E	14	SAN JUAN	UT	Federal	Federal	OW	PV. GLATP
17276	4303731857	THREEMILE 43-18H	THREEMILE UNIT 43-18H-29-22	295	22E	18	SAN JUAN	UT	Federal	Federal	OW	P
19706	4301950051	Cane Creek Unit 7-2-26-20	CANE CREEK UNIT 7-2-26-20	26S	20E	7	GRAND	UT	Federal	Federal	ow	OPS V 2 ()[55
17984	4303750003	THREEMILE 16-17	THREEMILE UNIT 16-17-29-22	29\$	22E	16	SAN JUAN	UT	State	State	ow	Ors - Se-
19646	4303750069	Three Mile Unit 12-2-29-21	THREE MILE UNIT 12-2-29-21	29S	21 E	12	SAN JUAN		Federal	Federal	ow	OPS :/
19343	4301950036	CANE CREEK UNIT 2-1-25-18	CANE CREEK UNIT 2-1-25-18	25S	18E	2	GRAND	UT	Federal	State	ow	TA ZTTA
19512	4301950046	CANE CREEK UNIT 16-2-25-18	CANE CREEK UNIT 16-2-25-18	25S	18E	16	GRAND	UT	State	State	OW	TA
674		LONG CANYON 1	LONG CANYON 1	26S	20E	9	GRAND	UT	Federal	Federal	OW	S *
14505		CANE CREEK 24-1	CANE CREEK UNIT 24-1-26-19	26S	19E	24	GRAND	UT	Federal	Federal	ow ow	S ✓
16464		CANE CREEK 8-1	CANE CREEK UNIT 8-1-26-20	26S	20E	8 36	GRAND GRAND	UT UT	Federal State	Federal State	OW	S* ~
19440		Cane Creek 36-1-25-18	CANE CREEK 36-1-25-18	25S 29S	18E 23E	24	SAN JUAN		Federal	Federal	OW	sv 7-5
975		CHEVRON FED 1	CHEVRON FEDERAL 1H THREEMILE UNIT 12-7-29-21	29S 29S	23E 21E	12	SAN JUAN		Federal	Federal	OW	SV
17837		Threemile 12-7	LA SAL UNIT 29-28-29-23	29S	23E	29	SAN JUAN		Federal	Federal	ow	S 🗸
17920		LA SAL 29-28 CANE CREEK UNIT 2-2-25-18	LA SAL UNIT 25-26-25-25	250S	180E	2	GRAND	UT	State	State	ow	APD -
		Cane Creek Unit 25-1-25-19		250S	190E	25	GRAND	UT	Federal	Federal	ow	APD ✓
		Cane Creek Unit 6-1-25-19		250S	190E	6	GRAND	UT	Federal	Federal	OW	APD A APD
		Cane Creek Unit 29-1-25-19		250S	190E	29	GRAND	UT	Federal	Federal	ow	APD ~ 3000
		Cane Creek 10-1-25-19		250S	190E	10	GRAND	UT	Federal	Federal	ow	APD ¥
		Cane Creek Unit 30-1-25-19		250S	190E	30	GRAND	UT	Federal	Federal	ow	APD ✓
		Cane Creek Unit 19-2-26-20		260S	200E	19	GRAND	UT	Federal	Federal	ow	APD ✔
	0200000											

Entity#	<u>API #</u>	Permitted Well Name	AKA Well Name	<u>Township</u>	Range	Section(s)	County	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	Well Type	Well Status
	4301950057	Cane Creek Unit 14-1-25-19		250S	190E	14	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950058	Cane Creek Unit 2-3-25-18		250S	180E	2	GRAND	UT	Federal	State	ow	APD ✓
	4301950059	Cane Creek Unit 16-3-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD ✓
	4301950060	Cane Creek Unit 19-1-25-19		250S	190E	19	GRAND	UT	Federal	Federal	OW	APD ¥
	4301950061	Cane Creek Unit 32-2-25-19		250S	190E	32	GRAND	UT	State	State	OW	APD 🗸
	4301950062	Cane Creek Unit 17-1-25-19		250S	190E	17	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950063	Cane Creek Unit 16-4-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD 🛩
	4301950064	Cane Creek Unit 2-4-25-18		250S	180E	2	GRAND	UT	Federal	State	OW	APD 🗸
	4301950065	Cane Creek Unit 5-1-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD ✔
	4301950068	8-2-26-20		260S	200E	8	GRAND	UT	Federal	Federal	OW	APD ✔
	4301950069	Cane Creek Unit 19-3-26-20		260S	200E	19	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950070	Cane Creek Unit 21-1-25-19		250S	190E	21	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950071	Cane Creek Unit 12-2-26-19		260S	190E	12	GRAND	UT	Federal	Federal	ow	APD 🗸
	4301950072	Cane Creek Unit 26-4-25-19		250S	190E	26	GRAND	UT	Federal	Federal	ow	APD 🗸
•	4301950073	Cane Creek Unit 21-1-25-18		250S	180E	21	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950074	Cane Creek Unit 9-1-25-18		250S	180E	9	GRAND	UT	Federal	Federal	OW	APD 🖌
	4301950075	Cane Creek Unit 7-1-25-19		250S	190E	7	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950076	Cane Creek Unit 5-2-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950077	Cane Creek Unit 7-1-25-18		250S	180E	7	GRAND	UT	Federal	Federal	OW	APD 🗸
	4301950078	Cane Creek Unit 13-1-25-18		250S	180E	13	GRAND	UT	Federal	Federal	OW	APD ✔
	4303750070	Three Mile Unti 12-3-29-21		290S	210E	12	SAN JUAN	UT	Federal	Federal	OW	APD ✔
	4303750071	Three Mile Unit 16-2-29-22		290S	220E	16	SAN JUAN	UT	Federal	State	OW	APD ✓
	4301950036	CANE CREEK UNIT 2-1-25-18H2		25S	18E	2	GRAND	UT	Federal	State	OW	APD *

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

	(This form should ac	ccompany a Sundr	y Notice, Form 9, requ	esting APD transfer)		
Well	name:	See attached w	ell list			
API	number:					
Loca	ition:	Qtr-Qtr:	Section:	Township: Range:		
Com	pany that filed original application:	Fidelity Explorat	ion & Production Com	pany	-	
Date	original permit was issued:				***	
Com	pany that permit was issued to:	Fidelity Explora	ation & Production C	ompany		
Check one		Des	ired Action:			
			and the state of t			175
	Transfer pending (unapproved) App	lication for Pe	rmit to Drill to ne	ew operator		
	The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a	or Permit to Dril	l, remains valid ar	nd does not require revision. The	new	
✓	Transfer approved Application for P	ermit to Drill t	o new operator			
La Company	The undersigned as owner with legal r information as submitted in the previous revision.				re	
Follo	owing is a checklist of some items rel	ated to the ap	olication, which s	should be verified.	Yes	No
If loc	ated on private land, has the ownership	changed?				1
	If so, has the surface agreement been	updated?	ramminishind dirik (1997) yang yang sang menuncularan kemelah dirik (1997) yang yang	a ang at the state of the state		
	any wells been drilled in the vicinity of trements for this location?	the proposed w	ell which would af	fect the spacing or siting		1
	there been any unit or other agreement osed well?	ts put in place t	hat could affect th	e permitting or operation of this		✓
	there been any changes to the access osed location?	route including	ownership or righ	t-of-way, which could affect the		✓
Hast	the approved source of water for drilling	changed?				✓
	there been any physical changes to the from what was discussed at the onsite		on or access route	which will require a change in		✓
Is bo	nding still in place, which covers this pro	posed well? B	ond No			
shou	desired or necessary changes to either a ld be filed on a Sundry Notice, Form 9, o ssary supporting information as required	or amended Ap				red,
	e (please print) Robert W. Kirkwood		Title President	116		
	ature July With		Date 7/7	/10		
Repr	esenting (company name) Wesco Operati	ng, Inc.				

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

Fidelity Exploration & Production Company Paradox APD List

Date Issued	API#	Permitted Well Name	<u>Township</u>	<u>Range</u>	Section(s)	County	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	Well Type	Well Status
3/4/2014	4301950044	CANE CREEK UNIT 2-2-25-18	250S	180E	2	GRAND	UT	State	State	ow	APD
2/19/2015	4301950048	Cane Creek Unit 25-1-25-19	250\$	190E	25	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950052	Cane Creek Unit 6-1-25-19	250\$	190E	6	GRAND	UT	Federal	Federal	ow	APD
6/26/2014	4301950053	Cane Creek Unit 29-1-25-19	250S	190E	29	GRAND	UT	Federal	Federal	ow	APD
6/26/2014	4301950054	Cane Creek 10-1-25-19	250\$	190E	10	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950055	Cane Creek Unit 30-1-25-19	250S	190E	30	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950056	Cane Creek Unit 19-2-26-20	260S	200E	19	GRAND	UT	Federal	Federal	ow	APD
6/26/2014	4301950057	Cane Creek Unit 14-1-25-19	250S	190E	14	GRAND	UT	Federal	Federal	OW	APD
7/21/2014	4301950058	Cane Creek Unit 2-3-25-18	250S	180E	2	GRAND	UT	Federal	State	ow	APD
8/6/2014	4301950059	Cane Creek Unit 16-3-25-18	250S	180E	16	GRAND	UT	Federal	State	OW	APD
8/6/2014	4301950060	Cane Creek Unit 19-1-25-19	250S	190E	19	GRAND	UT	Federal	Federal	OW	APD
9/22/2014	4301950061	Cane Creek Unit 32-2-25-19	250S	190E	32	GRAND	UT	State	State	OW	APD
7/30/2014	4301950062	Cane Creek Unit 17-1-25-19	250S	190E	17	GRAND	UT	Federal	Federal	ow	APD
8/12/2014	4301950063	Cane Creek Unit 16-4-25-18	250\$	180E	16	GRAND	UT	Federal	State	OW	APD
9/24/2014	4301950064	Cane Creek Unit 2-4-25-18	250S	180E	2	GRAND	UT	Federal	State	OW	APD
9/2/2014	4301950065	Cane Creek Unit 5-1-25-18	250S	180E	5	GRAND	UT	Federal	Federal	ow	APD
11/25/2014	4301950068	8-2-26-20	260S	200E	8	GRAND	UT	Federal	Federal	OW	APD
12/19/2014	4301950069	Cane Creek Unit 19-3-26-20	260S	200E	19	GRAND	UT	Federal	Federal	ow	APD
1/14/2015	4301950070	Cane Creek Unit 21-1-25-19	250S	190E	21	GRAND	UT	Federal	Federal	OW	APD
1/13/2015	4301950071	Cane Creek Unit 12-2-26-19	260S	190E	12	GRAND	UT	Federal	Federal	OW	APD
1/13/2015	4301950072	Cane Creek Unit 26-4-25-19	250S	190E	26	GRAND	UT	Federal	Federal	ow	APD
1/14/2015	4301950073	Cane Creek Unit 21-1-25-18	250S	180E	21	GRAND	UT	Federal	Federal	OW	APD
1/20/2015	4301950074	Cane Creek Unit 9-1-25-18	250S	180E	9	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950075	Cane Creek Unit 7-1-25-19	250S	190E	7	GRAND	UT	Federal	Federal	OW	APD
1/20/2015	4301950076	Cane Creek Unit 5-2-25-18	250S	180E	5	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950077	Cane Creek Unit 7-1-25-18	250S	180E	7	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950078	Cane Creek Unit 13-1-25-18	250S	180E	13	GRAND	UT	Federal	Federal	ow	APD
7/8/2014	4303750070	Three Mile Unti 12-3-29-21	290S	210E	12	SAN JUAN	UT	Federal	Federal	OW	APD
10/2/2014	4303750071	Three Mile Unit 16-2-29-22	290S	220E	16	SAN JUAN	UT	Federal	State	ow	APD
12/16/2014	4301950036	Cane Creek Unit 2-1-25-18 H2	25S	18E	2	GRAND	UT	Federal	State	OW	APD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. GAS AND MINING

DIVIS	SION OF OIL, GAS AND MI	NING		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-90108	_
SUNDRY NO	TICES AND REPORTS	ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	_
Do not use this form for proposals to drill new wells drill horizontal laterals. I	s, significantly deepen existing wells below cur Use APPLICATION FOR PERMIT TO DRILL fo	rent bottom-hole dept	th, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME:	_
1. TYPE OF WELL OIL WELL		Blue Hills Ga		8. WELL NAME and NUMBER: Blue Hills Gas Plant	_
2. NAME OF OPERATOR:		····		9. API NUMBER:	—
Fidelity Exploration & Production	on Company				
3. ADDRESS OF OPERATOR: 1801 California St., STE 250(CHY) Den	ver _{STATE} CO _{ZIP}	80202	PHONE NUMBER: (303) 893-3133	10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL FOOTAGES AT SURFACE:				COUNTY: Grand	
QTR/QTR, SECTION, TOWNSHIP, RANGE, ME	RIDIAN:			STATE: UTAH	
11. CHECK APPROPE	RIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REPO	RT. OR OTHER DATA	
TYPE OF SUBMISSION			YPE OF ACTION		
	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION	_
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON	
3/1/2016	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR	
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	:	WATER DISPOSAL	
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTIO	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMAT	ON OF WELL SITE	OTHER:	
	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION		_
12. DESCRIBE PROPOSED OR COMPLE	TED OPERATIONS. Clearly show all p	ertinent details inc	duding dates, depths, volume	es, etc.	=
Effective March1, 2016, Fidelity Hills Gas Plant located in T23S				55) resigns as Operator of the Bluenmed as successor Operator.	е
Wesco Operating, Inc.			Fidelity Exploration 8	& Production Company	
P.O Box 1650			1801 California Stree		
Casper, Wyoming 82602		Denver, Colorado 80202			
Phone 307-265-5178			Phone 303-893-313	3	
Wesco Operating, Inc. Robert W. Kirkwood, President					
Signature Siller W	The state of the s				
NAME (PLEASE PRINT) Darwin Subart		TITL	 Chief Financial O	Officer	_
SIGNATURE DALIS	Melast	DAT	4/4/-	70/6	_

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APPROVED

APR 2 1 2016

	STATE OF UT			FORM 9
	DEPARTMENT OF NATURA DIVISION OF OIL, GAS		5. LEA	SE DESIGNATION AND SERIAL NUMBER:
SUNDRY	Y NOTICES AND RE	PORTS ON WELLS	6. IF II	NDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	new wells, significantly deepen existing waterals. Use APPLICATION FOR PERM	rells below current bottom-hole depth, ree IT TO DRILL form for such proposals.	7. UNI	T or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL.	GAS WELL	OTHER Compressor Boo	Ster Station Dub	LL NAME and NUMBER: binky Booster Station
2. NAME OF OPERATOR: Fidelity Exploration & Pro-	duction Company		9. API	NUMBER:
3. ADDRESS OF OPERATOR: 1801 California St., STE 2501 _{CIT}	<u> </u>		NE NUMBER: 10. FII	ELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL				
FOOTAGES AT SURFACE:			COUN	τγ: Grand
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN:		STATE	: UTAH
11. CHECK APPI	ROPRIATE BOXES TO	INDICATE NATURE OF	NOTICE, REPORT, C	R OTHER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREA	ਹ 🗌	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	☐ NEW CONSTRUC	TION	TEMPORARILY ABANDON
3/1/2016	CHANGE TO PREVIOUS PLAI	NS 🕢 OPERATOR CHAI	NGE	TUBING REPAIR
_	CHANGE TUBING	PLUG AND ABAN	DON [VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (ST	TART/RESUME)	WATER SHUT-OFF
Date of West Completion.	COMMINGLE PRODUCING FO	DRMATIONS RECLAMATION O	F WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - D	DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clear	ly show all pertinent details includin	g dates, depths, volumes, etc.	
Effective March1, 2016, F Dubinky Booster Station I Zone 12, NAD83. Wesco	located along Dubinky Ro	oad, approximately 18 mil	es northwest of Moab	signs as Operator of the , 599142 E 4280872 N UTM
Wesco Operating, Inc. P.O. Box 1650 Casper, Wyoming 82602 Phone 307-265-5178		1801 Der	elity Exploration & Prod California Street, Suinver, Colorado 80202 one 303-893-3133	
Wesco Operating, Inc. Robert W. Kirkwood, Pres	sident			
Signature				
NAME (PLEASE PRINT) Darwin St	ubart	TITLE (Chief Financial Officer	·
SIGNATURE DAW	Melast	DATE	4/4/20/6	

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APPROVED

APR 2 1 2016

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT Well Name and Number API Number Kane Springs 16-1 4301931341 Field or Unit Name Location of Well Cane Creek Footage: 960' FSL 1960' FWL County: Grand Lease Designation and Number ML-44333 QQ, Section, Township, Range: SESW 25 18 State: UTAH

EFFECTIVE DATE OF TRANSFER: 3/1/2016

Company:	Fidelity Exploratio	n & Production Company	_ Name:	Darwin Subart
Address:	1801 California St	treet, Suite 2500	_ Signature:	Milu helus
	city Denver	state CO zip 80202	_ Title:	Chief Financial Officer
Phone:	(303) 893-3133		_ Date:	4/4/2016
Comments	:			

mpany:	Wesco Operating, Inc.	Name:	Robert W. Kirkwood
dress:	P.O. Box 1650	Signature:	Alle Whill
	city Casper state WY zip 826	502 Title:	President
one:	(307) 265-5178	Date:	4/4/16
mments			

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Transfer approved by:

Title:

Approval Date:

Comments: